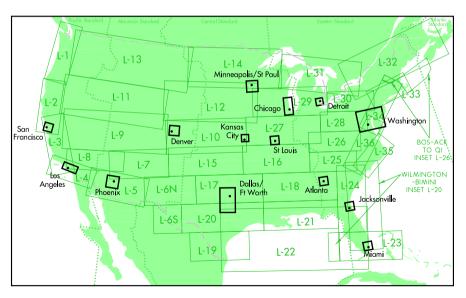




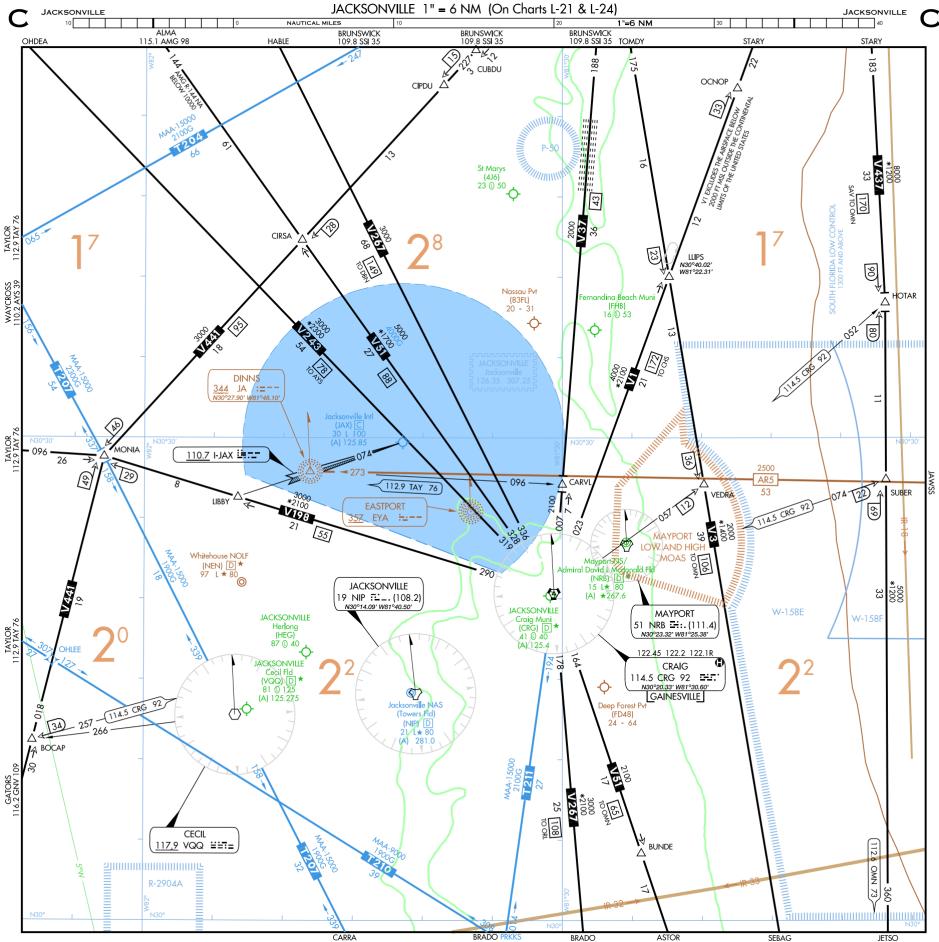
23 SEP 2010 UNITED STATES

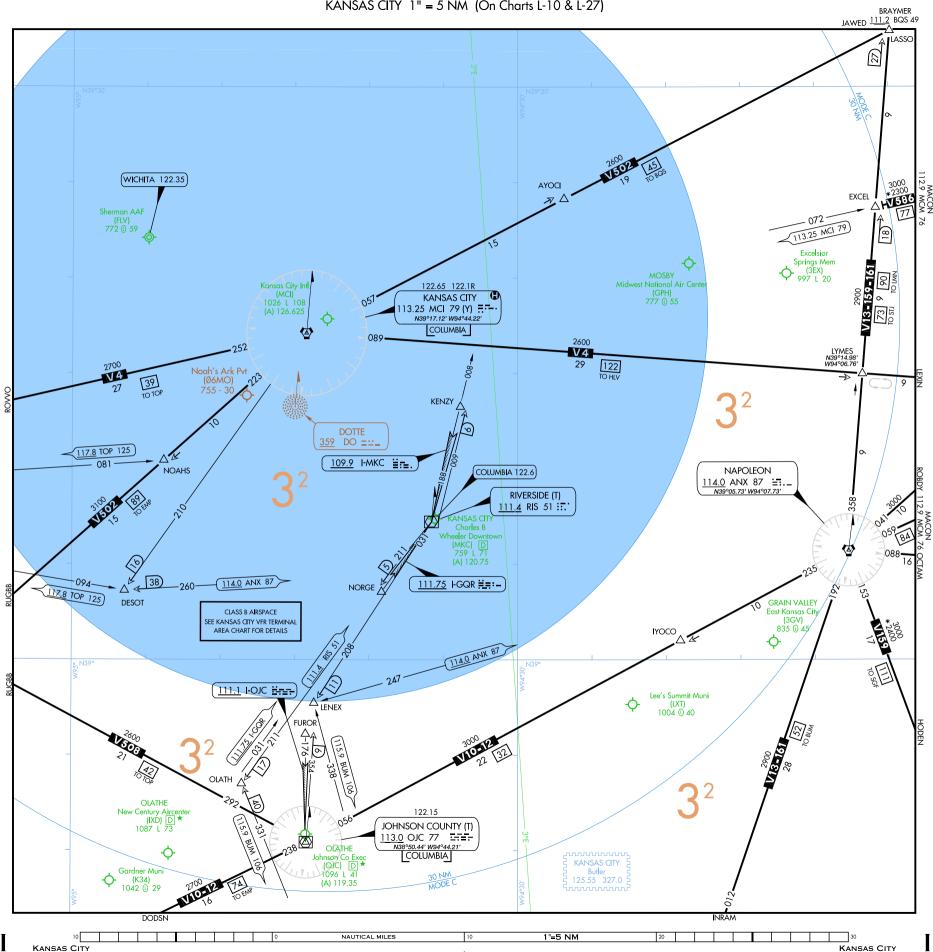


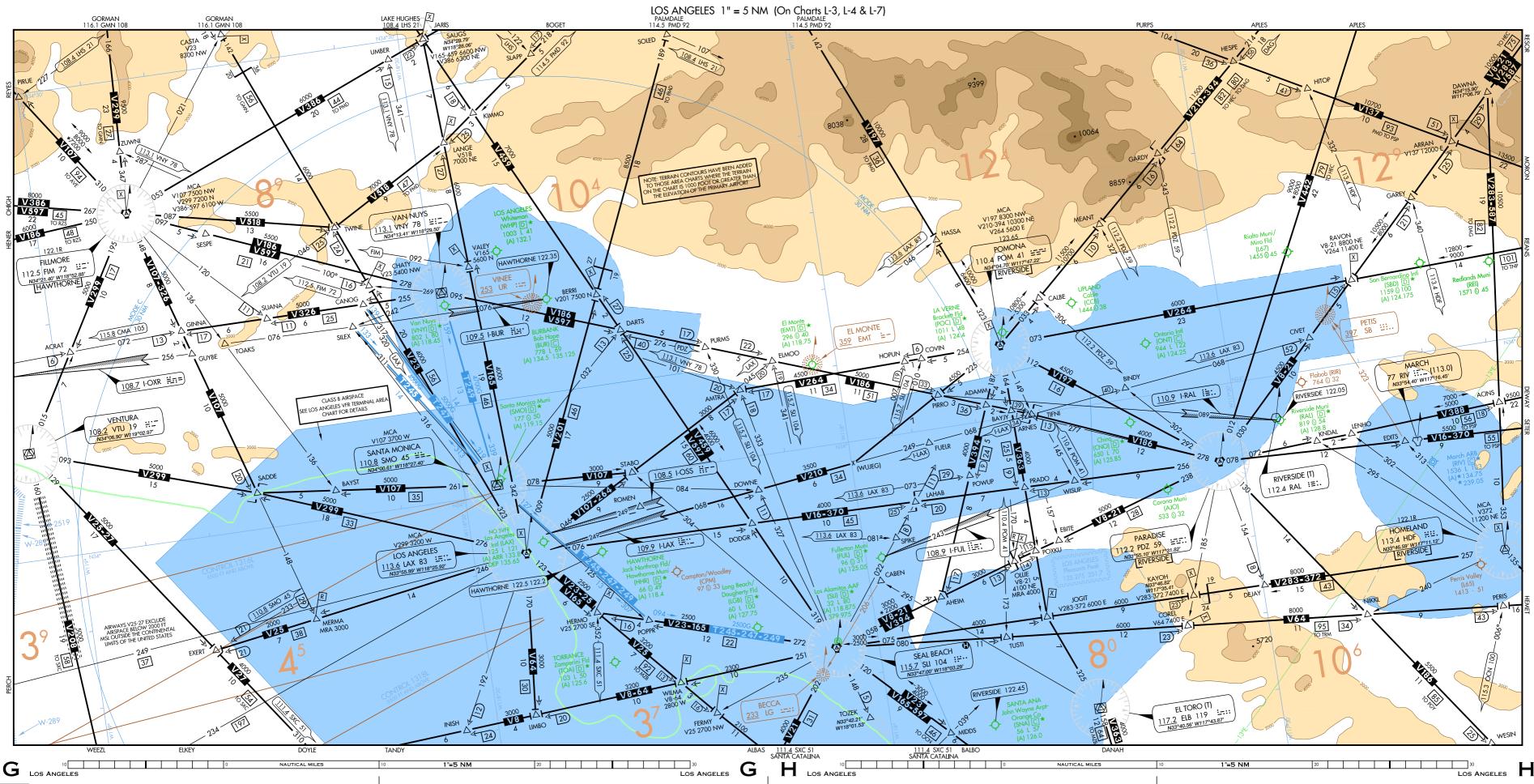
Federal Aviation Administration



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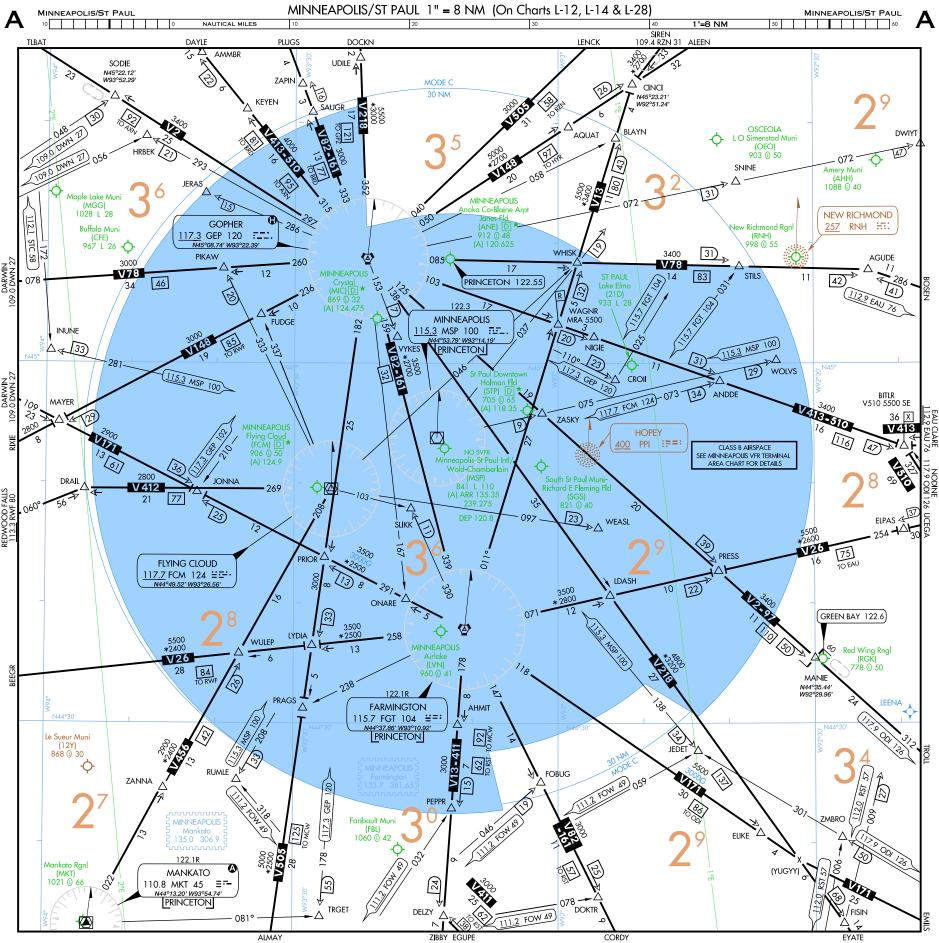




MILITARY TRAINING ROUTES

NUMBER	ALTITUDE RANGE	AREA	NUMBER	ALTITUDE RANGE	AREA
IR-18	5000 TO 7000	Jacksonville	VR-163	500 AGL TO 3000	Dallas/Fort Worth
IR-32	5000 TO 7000	Jacksonville	VR-223	500 AGL TO 9000	Phoenix
IR-33	500 AGL TO 6000	Jacksonville	VR-231	100 AGL TO 7000	Phoenix
IR-103	100 AGL TO 5000	Dallas/Fort Worth	VR-239	300 AGL TO 9500	Phoenix
IR-105	100 AGL TO 7000	Dallas/Fort Worth	VR-241	300 AGL TO 9500	Phoenix
IR-139	100 AGL TO 6000	Dallas/Fort Worth	VR-242	300 AGL TO 9000	Phoenix
IR-207	200 AGL TO 15000	San Francisco	VR-243	300 AGL TO 9500	Phoenix
IR-415	300 AGL TO 8000	Denver	VR-244	300 AGL TO 9000	Phoenix
IR-614	500 AGL TO 8000	St Louis	VR-245	300 AGL TO 9000	Phoenix
IR-714	SURFACE TO 6000	Washington	VR-267	300 AGL TO 6000	Phoenix
IR-720	5000 TO 8000	Washington	VR-268	300 AGL TO 6000	Phoenix
IR-760	SURFACE TO 6000	Washington	VR-269	300 AGL TO 6000	Phoenix
VR-104	300 AGL TO 10000	Dallas/Fort Worth	VR-704	100 AGL TO 11000	Washington
VR-118	500 AGL TO 15500	Dallas/Fort Worth	VR-705	100 AGL TO 10000	Washington
VR-142	500 AGL TO 4000	Dallas/Fort Worth	VR-708	100 AGL TO 5500	Washington

VR-158 500 AGL TO 5000 Dallas/Fort Worth



MILITARY OPERATIONS AREAS

DAYS

TIMES USED, UTC

HOURS

CONTROLLING AGENCY

A/G CALL

FAA, POTOMAC TRACON

FAA POTOMAC APP

PANEL

D

WEATHER

VFR-IFR

VFR-IFR

			CHICAGO			
MINNOW	10000 *2	Intermittent By NOTAM	Normally Days	VFR-IFR	ZAU CNTR/FSS	Α
		JΔ	CKSONVILLE			
MAYPORT HIGH	3000 *2	Intermittent	2300-0300Z‡	VFR-IFR	ZJX CNTR/FSS	С
MAYPORT LOW	1500 To But Not Including 3000	Intermittent	1300-0300Z‡	VFR-IFR	ZJX APP CON	С
			PHOENIX			
GLADDEN 1	7000 or 5000 AGL Whichever is Higher *2	Mon-Fri *1	1300-0200Z	VFR-IFR	ZAB CNTR/FSS	F
OUTLAW	8000 or 3000 AGL Whichever is Higher *2	Mon-Fri Mon-Fri Intermittent Weekends	1400-0100Z 0100-0500Z By NOTAM	VFR-IFR	ZAB CNTR/FSS	F
SELLS 1	10000 *2	Mon-Fri *1	1300-0200Z	VFR-IFR	ZAB CNTR/FSS	F
SELLS LOW	3000 AGL To But Not Including 10000	Mon-Fri *1	1300-0200Z	VFR-IFR	ZAB CNTR/FSS	F
		W	ASHINGTON			
DEMO 1	500 TO 5000	Intermittent	By NOTAM	VFR-IFR	FAA, POTOMAC TRACON	D
DEMO 2	10000 TO 15000	Intermittent	By NOTAM	VFR-IFR	FAA, POTOMAC TRACON	D

By NOTAM

Days

15000 HILL To 3000

DEMO 3

NUMBER

Above 5000 To

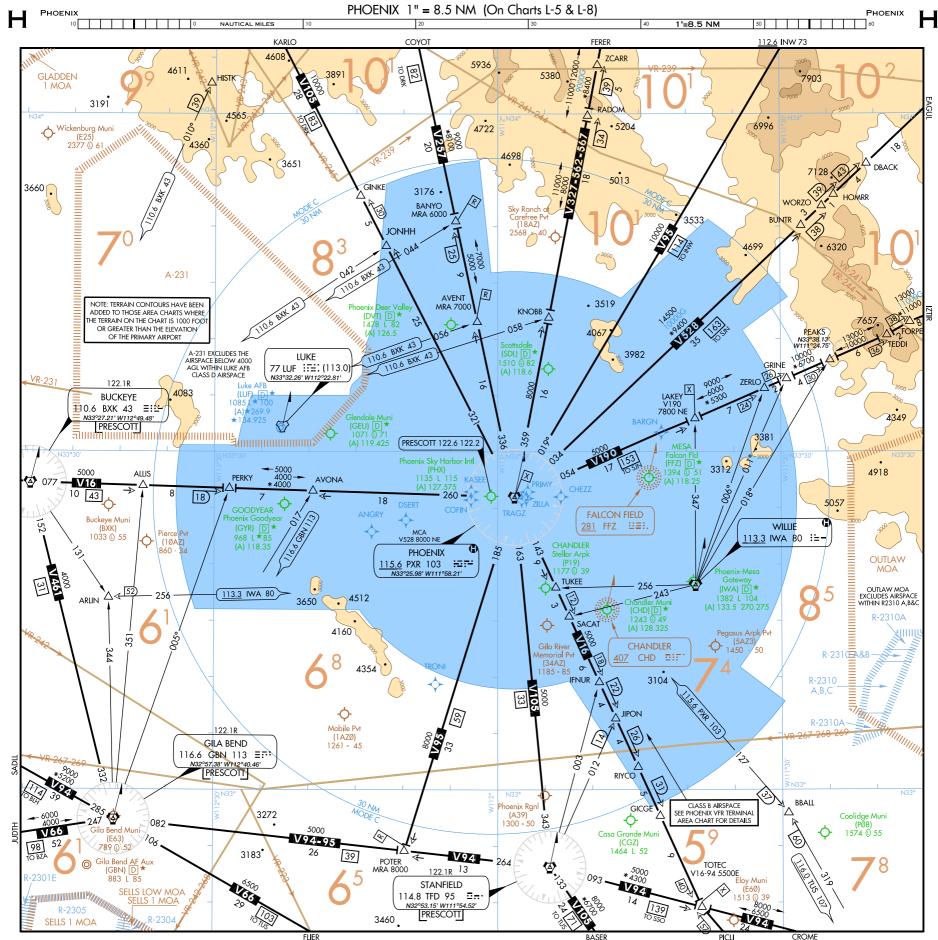
EFFECTIVE

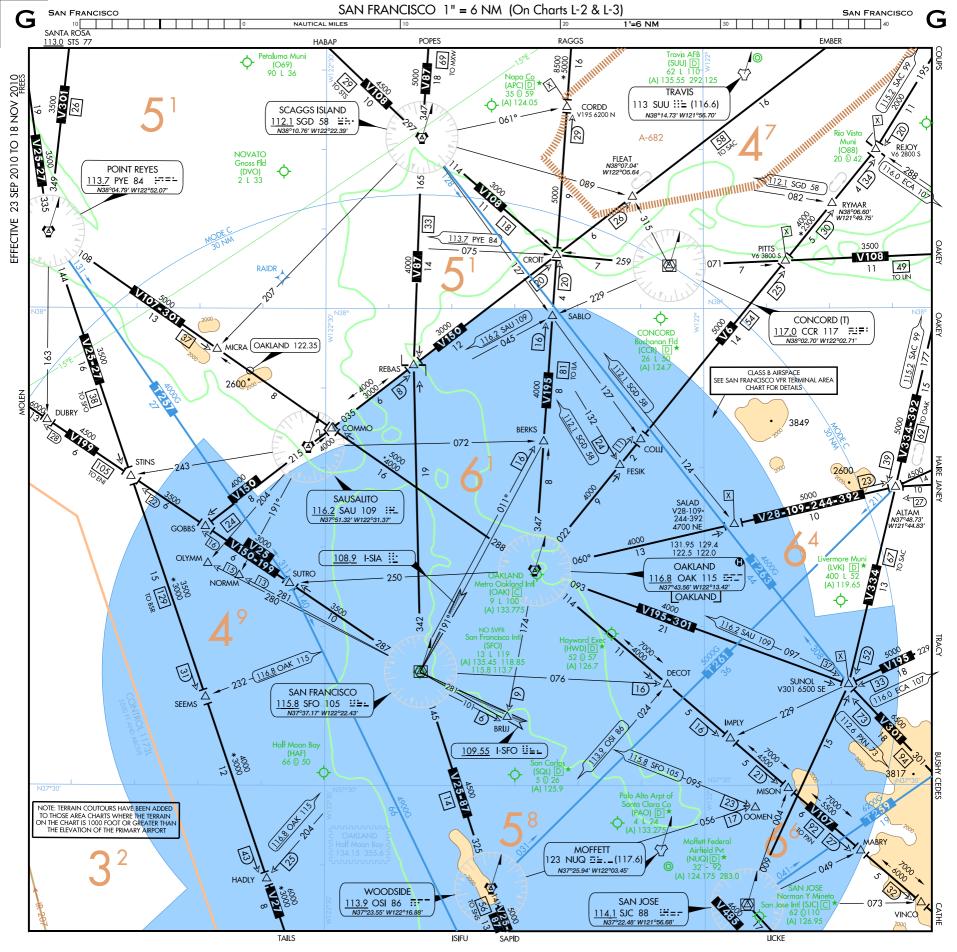
ALTITUDE

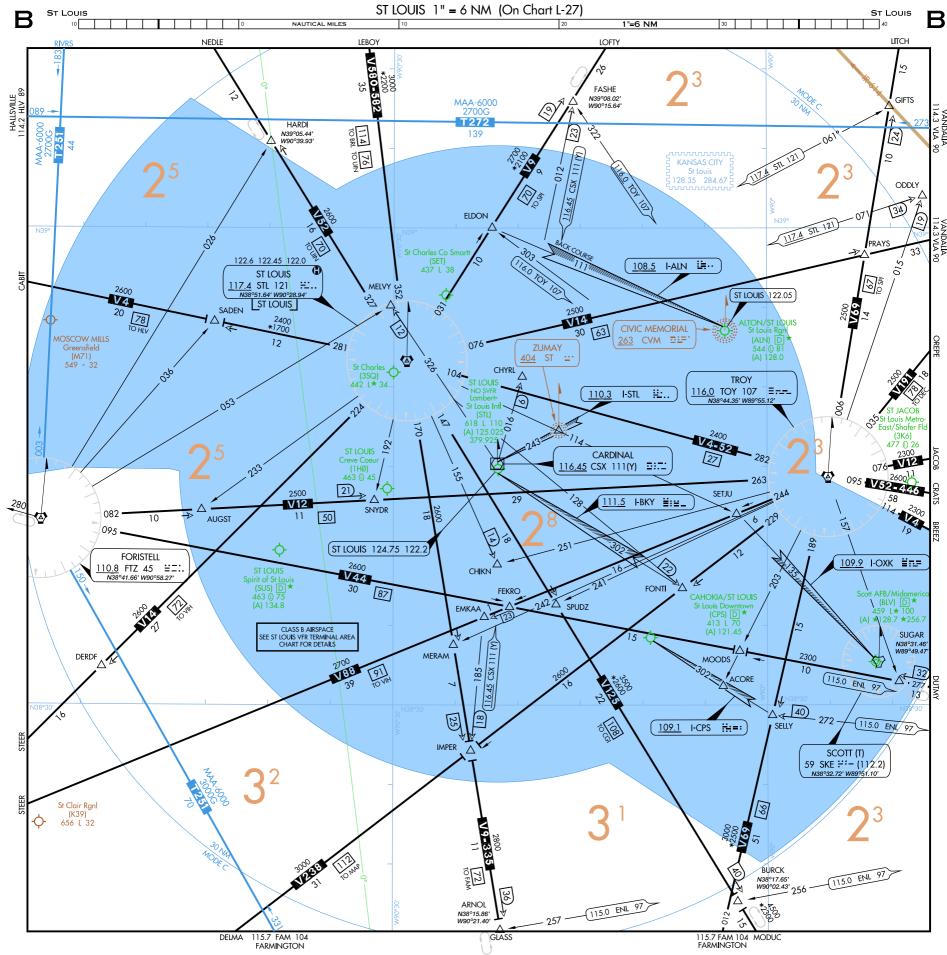
Intermittent

Cont

^{*1} Other Times By NOTAM *2 To But Not Including FL 180







Jacksonville ZJX, Kansas City ZKC, Los Angeles ZLA, Miami ZMA, Minneapolis ZMP, Oakland ZOA, Washington ZDC A - Alert, P - Prohibited, R - Restricted, W - Warning Areas All altitudes are MSL unless otherwise indicated Cont - Continuous: 24 hrs a day, 7 days a week

ARTCC three letter idents: Albuquerque ZAB, Atlanta ZTL, Chicago ZAU, Cleveland ZOB, Denver ZDV, Fort Worth ZFW,

Days - Sunrise 1/2 hr Nights - Sunset	evel hown are UTC unless otherw to Sunset except Canada wl before sunrise to 1/2 hr afte to Sunrise except Canada wl after sunset to 1/2 hr before	nere it means er sunset nere it means e sunrise	effectiv NOTAM - Use of DoD N Specio	ve hours will be of this term in Rest IOTAM systems. Il Use areas indi	ight Saving Time (DT) one hour earlier than shown ricted Areas indicates FAA Use of this term in all othe cates the DoD NOTAM syste	and -
		SPECIA	L USE AIRSPA	CE		
	EFFECTIVE		TIMES USED, UTC	1	CONTROLLING AGENCY	
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	PANEL
			CHICAGO			
R-6903	To FL 450	Intermittent	By NOTAM	VFR-IFR	ZMP CNTR/FSS	Α
		DALL	AS/FORT WORTH			
P-49	To 2000	Cont	Cont	VFR-IFR	No A/G	Н
		J	ACKSONVILLE	•		
P-50	To But Not Including 3000	Cont	Cont	VFR-IFR	No A/G	D
R-2904A	To But Not Including 1800	Apr-Aug Cont *1 Sep-Mar Sat-Sun *1	1300-2200Z‡ 1300-2200Z‡	VFR-IFR	JACKSONVILLE TRACON	D
W-158E	To 1200	Intermittent	By NOTAM	VFR-IFR	JACKSONVILLE TRACON	D
W-158F	1200 To 1700	Intermittent	By NOTAM	VFR-IFR	JACKSONVILLE TRACON	D
		l	OS ANGELES			
R-2519	Unltd	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	G
W-289	Un l td	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	G
			MIAMI			
A-291A	To 2500	Days	1100-0500Z‡	VFR	No A/G	D
A-291B	To 3900	Days	1100-0500Z‡	VFR	No A/G	D

1100-0500Z

1100-0500Z

1330-07007

1330-07007

1330-0700Z

By NOTAM

By NOTAM

By NOTAM

SAN FRANCISCO 1600-0500Z‡

WASHINGTON

Cont

1200-0500Z‡ 0500-1200Z‡ By NOTAM

Intermittent By NOTAM

1200-04007

1200-04007

1200-04007#

1300-2100Z‡

1300-0400Z‡ 1300-1700Z‡

1300-0500Z‡

1300-0400Z‡ 1300-1700Z‡

1300-0500Z‡ 1300-0100Z‡

1300-0400Z‡ 1300-1700Z‡

1300-0500Z

1300-0100Z‡

1300-0400Z‡ 1300-1700Z‡ 1300-0500Z[‡]

1300-0100Z

1300-2100Z#

1000-0500Z#

1300-2200Z‡

1300-2200Z

1300-2200Z‡

1300-0300Z‡

By NOTAM

Cont

PHOENIX

Days

Days

Cont *1

Mon-Sat *1

Mon-Sat *1

Intermittent

Intermittent

Cont

Mon-Fri

Cont

Cont

Cont Cont By NOTAM

Intermittent By NOTAM

Cont *1

Cont *1

Cont

Mon-Fri

2/15-5/10 9/1-12/15 Sat Sun 5/11-8/31

Sat Sun-Fri<u>*1</u>

2/15-5/10 9/1-12/15 Sat Sun 5/11-8/31

Sat Sun-Fri *1

2/15-5/10 9/1-12/15

Sat Sun 5/11-8/31

Sat Sun-Fri *1

2/15-5/10 9/1-12/15

Sat Sun 5/11-8/31

Sun-Fri *1

Mon-Fri *1

Mon-Fri *1

Mon-Fri *1

Intermittent

Cont

Mon-Fri

Cont *1

A-291D

R-2301F

R-2304

R-2305

R-2310A

R-2310E

R-23100

A-231

A-682

P-40

P-56

P-73

R-4001A

R-4001B

R-4002

R-4005

R-4006

R-4007

R-4009

R-5801

R-5802A

R-5802B

R-5802C

R-5802D

R-5803

R-6608A-C

R-6611A

R-6612

W-386

*1 Other Times By NOTAM *2 To But Not Including FL 180

R-6613A

To 3900

To FL 800

To FL 240

To FL 240

10000 To 17000

17000 To 35000

500 AGL To 6500

To 6000 N of Line To 3000 S of Line

To But Not Including 5000

To But Not Including 1500

Unlimited To 10000 Higher By NOTAM

To 10000 Higher By NOTAM

To But Not Including FL 250

3500 To But Not Including FL 250

To But Not Including 5000

5000 To 12500

200 AGL To 5000

500 AGL To But Not Including 17000

17000 To But Not Including FL 220

To 4000

To 10000

To 40000

To 7000

To 40000

To 4500

Unitd

To 4000

To 13000

To 18000

To 20000

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No A/G

No A/G

7AB CNTR/FSS

ZAB CNTR/FSS

ZAB CNTR/FSS

ZAB CNTR/FSS

ZAB CNTR/FSS

ZAB CNTR/FSS

No A/G

No A/G

No A/G

No A/G

No A/G

7DC CNTR/ESS

ZDC CNTR/FSS

ZDC CNTR/FSS ZDC CNTR/FSS

ZDC CNTR/FSS

ZDC CNTR/FSS

ZDC CNTR/FSS

No A/G

ZNY CNTR/FSS

ZNY CNTR/FSS

7NY CNTR/FSS

ZNY CNTR/FSS

No A/G

FAA, POTOMAC TRACON

ZDC CNTR/FSS

ZDC CNTR/FSS

ZDC CNTR/FSS

No A/G

ZDC CNTR/FSS

VFR-IFR

VFR-IFR

VFR-IFR

VFR

VFR

VFR-IFR

VFR

VFR-IFR

A-2 Phoenix
Denver
Kansas City
Dallas/Fort Wort

Warning: Refer to current foreign charts and flight information publications for information within foreign airspace

Minneapolis/St Paul
Detroit
St Louis
Atlanta
Jacksonville
Miami
Washington

FLIGHT INFORMATION PUBLICATION IFR AREA CHARTS - U.S.

UNITED STATES GOVERNMENT

For use up to but not including 18,000' MSL

TO 0901Z 23 SEP 2010 TO 0901Z 18 NOV 2010

Consult NOTAMs for latest Information

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AeroNav Services
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FOR RECOMMENDATIONS REGARDING FORMAT AND CONTENT CONTACT:

FAA, Aeronautical Information Services, ATO-R 800 Independence Ave., S.W., Washington, D.C. 20591 Telephone 1-866-295-8236

FOR CHARTING ERRORS CONTACT:

FAA, National Aeronautical Navigation Services, ATO-W SSMC-4, Sta. # 4259 1305 East-West Highway Silver Spring, MD 20910-3281 For Telephone 1-800-626-3677 Pl Email 9-AMC-Aerochart@faa.gov A

FOR PROCUREMENT CONTACT:

FAA, National Aeronautical Navigation Services Distribution Team, ATO-W 10201 Good Luck Road Glenn Dale, MD 20769-9700 Online at http://AERONAV.FAA.GOV Email 9-AMC-Chartsales@faa.gov Tel. 1-800-638-8972 Fax 301-436-6829 or any authorized chart agent

MILITARY

For Corrections Information, See Chapter 11 of General Planning (GP). For Procurement refer to DOD Catalog of Aeronautical Charts and Flight Information Publications.

Frequently asked questions (FAQ) are answered on our web site at http://AERONAV.FAA.GOV.

See the FAQs prior to contact via toll free number or email.

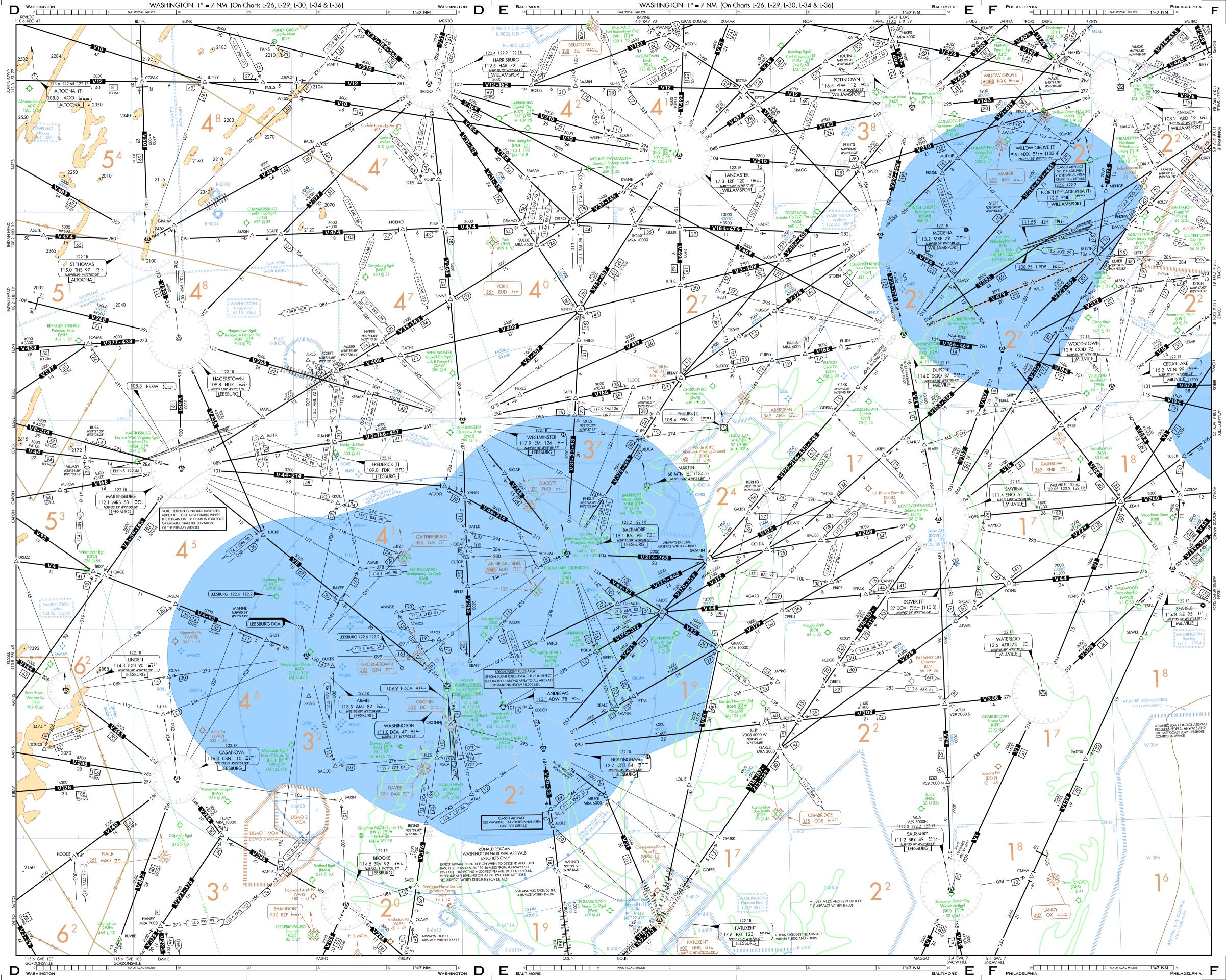
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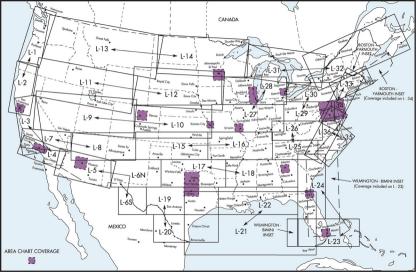
The off route obstruction clearance altitudes shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The OROCA is based on information available concerning the highest known features in each quadrangle, including terrain and obstructions. OROCA provides obstruction clearance with a 1000 foot buffer in designated non-mountainous areas and a 2000 foot buffer in designated mountainous areas within the United States.

THIS CHART CONTAINS OFF ROUTE OBSTRUCTION CLEARANCE ALTITUDES (OROCA).

non-mountainous areas and a 2000 foot buffer in designated mountainous areas within the United States. For areas in Mexico and the Caribbean which are located outside of the U.S. ADIZ, OROCA provides obstruction clearance with a 3000 foot buffer. This altitude is provided for obstruction clearance only. It does not provide for NAVAID signal coverage or communication coverage, and would not be consistent with altitudes assigned by Air Traffic Control.

Example: 12,500 feet







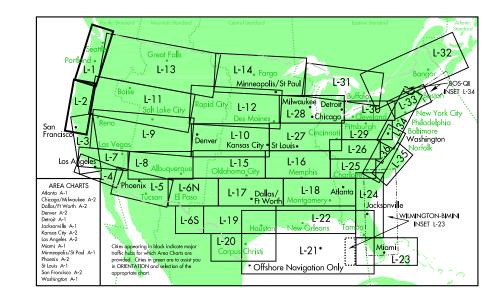
Warning: Refer to current foreign charts and flight information publications for information within foreign airspace UNITED STATES GOVERNMENT FLIGHT INFORMATION PUBLICATION IFR ENROUTE LOW ALTITUDE - U.S.
For use up to but not including 18,000' MSL EFFECTIVE 0901Z 23 SEP 2010 TO 0901Z 18 NOV 2010 Consult NOTAMs for latest Information U.S. Department of Transportation Federal Aviation Administration AeroNav Services http://AERONAV.FAA.GOV CORRECTIONS, COMMENTS, AND/OR PROCUREMENT FOR RECOMMENDATIONS REGARDING FORMAT AND CONTENT CONTACT: FOR PROCUREMENT CONTACT: FAA, National Aeronautical Navigation Services
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Glenn Dale, MD 20769-9700
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Tel. 1-800-638-8972 Fax 301-436-6829
or any authorized chart agent FAA, Aeronautical Information Services, AJR-321 800 Independence Ave., S.W., Washington, D.C. 20591 Online at http://nfdc.faa.gov Email 9-AWA-ATOR-AIS-feedback@faa.gov Telephone 1-866-295-8236 FOR CHARTING ERRORS CONTACT: FAA, National Aeronautical Navigation Services, ATO-W SSMC-4, Sta. # 4259 1305 East-West Highway Silver Spring, MD 20910-3281 Telephone 1-800-626-3677 Email 9-AMC-Aerochart@faa.gov For Corrections Information, See Chapter 11 of General Planning (GP). For Procurement refer to DOD Catalog of Aeronautical Charts and Flight Information Publications. Frequently asked questions (FAQ) are answered on our web site at http://AERONAV.FAA.GOV.

See the FAQs prior to contact via toll free number or email. — ATTENTION ——

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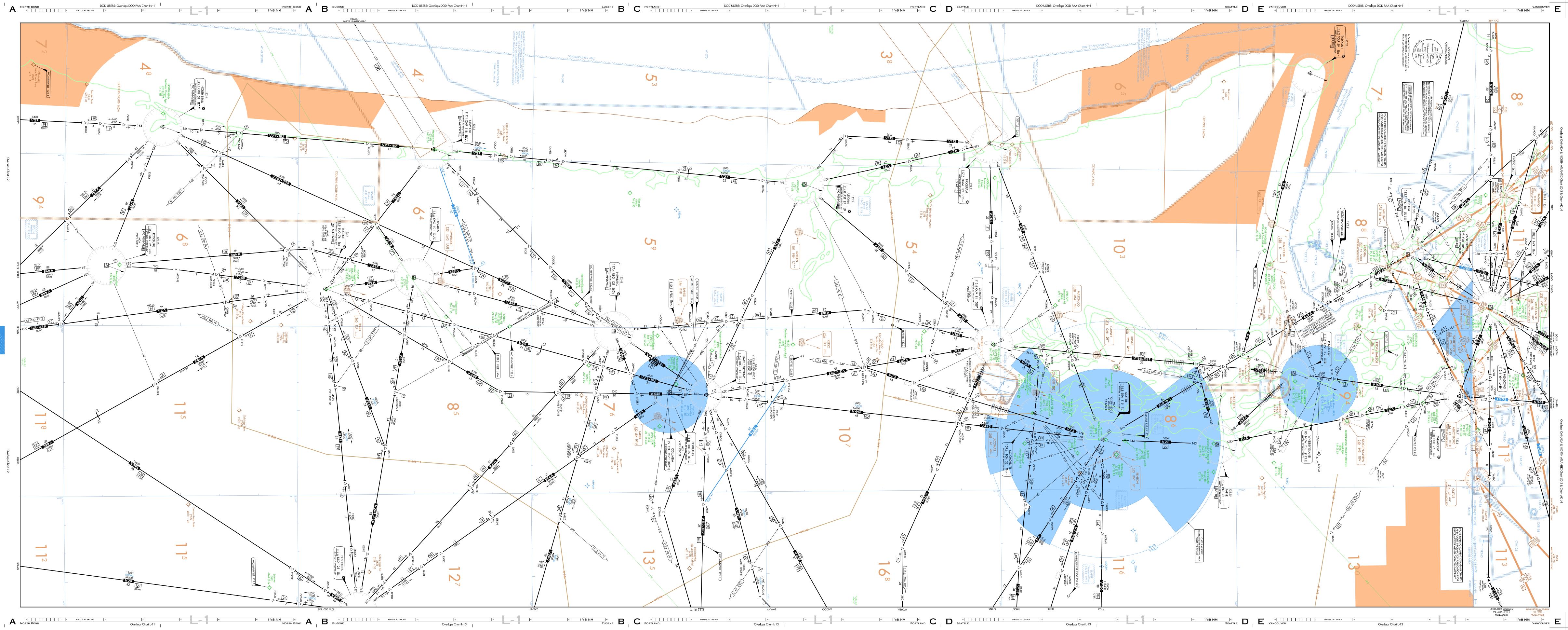




PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS, APPROVED BY: DEPARTMENT OF DEFENSE • FEDERAL AVIATION ADMINISTRATION







UNITED STATES GOVERNMENT FLIGHT INFORMATION PUBLICATION IFR ENROUTE LOW ALTITUDE - U.S.

(f) (H) (H) Heliport ICAO Location Indicator shown outside contiguous U.S.

COMMUNICATION BOXES VOR with TACAN compatible DME Oriented to Magnetic North of NAVAID which may not be adjusted to the charted isogonic values. Smaller sizes are used in congested areas.

VOR with TACAN compatible DME Underline indicates No Voice transmitted on this frequency. TACAN Channels are without voice but not underlined.

Crosshatch indicates Shutdown status areas.

(T) Frequency protection usable range at 12,000' AGL - 25NM

(Y) TACAN must be placed in "Y" mode to receive distance information

(Y) TACAN VOPTAC NAME
000 IDT ≝⋯ (000.0)
N00°00.00' W000°00.00'

Shadow NAVAID box indicates NA' TACAN Channel paired with VHF Frequency in parenthesis.

Automated weather, when available, is broadcast on the associated NAVAID frequency. NAME ASOS 000.0 Stand Alone ASOS/AWOS Compass Locator Beacon

ILS Localizer Course with additional navigation function AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

POLITE DATA

BOUNDARIES Uncontrolled LF/MF Airway 0000 0000 Minimum Enroute Altitude (MEA) 0000G GNSS RNAV MEA Low Altitude RNAV Route GNSS MEA, MOCA and/or MAA Change at other than NAVAIDs required

Substitute Route

Substitute Route

Via/bypassing temporarily shutdown NAVAIDS.
See NOTAMs or appropriate publications for specific information.

(MRA)

Minimum Crossing Altitude (MCA) Unusable Route
Segment

Preferred Single
Direction Route

Direction of Flight

Unusable Route
Segment

Holding Pattern with max restricted airspeed
210K applies to allitudes above
6000' to and including 14000'
175K applies to all allitudes
FIXES/ATC
REPORTING REQUIREMENTS

000 Total Mileage between Compulsory Fixes and/or NAVAIDS

MILITARY TRAINING ROUTES (MTRs) CRUISING ALTITUDES - U.S.

IFR within controlled airspace as assigned by ATC MTRs 5 NM or less both sides of centerline VFR or ON TOP ODD Thousands Plus Plus 500′ Plus 500′ VFR obove 3000′ AGL unless otherwise authorized by ATC IFR outside controlled airspace All courses are magnetic MTRs greater than 5 NM either or both sides of centerline VR-000 → Arrow indicates direction of route See MTR tabs for altitude range information All IR and VR MTRs are shown except those VRs at or below 1500° AGL CAUTION: Inset charts do not depict MTRs

For use up to but not including 18,000' MSL HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

AIRPORTS

Facilities in BLUE or GREEN have an approved Instrument Approach Procedure and/or RADAR MINIMA published in either the FAA Terminal Procedures Publications or the DoD FLIPs. Those in BLUE have an Instrument Approach Procedure and/or RADAR MINIMA published at least in the High Altitude DoD FLIPs. Facilities in BROWN do not have a published Instrument Approach Procedure or RADAR MINIMA.

International Boundary
(Not shown when coincident with ARTCC or FIR)

Bearing inbound to an LF/MF NAVAID

Magnetic Reference Bearing, outbound from a NAVAID or Fix

MAYAID

Magnetic Reference Bearing, outbound from a NAVAID or Fix

May NAVAID

Magnetic Reference Bearing, outbound from a NAVAID or Fix

May NAVAID

Magnetic Reference Bearing, outbound from a NAVAID or Fix

May NAVAID

MAYAID

AIRSPACE INFORMATION

Open area (white) indicates controlled airspace (Class E) unless otherwise indicated All airspace 14,500′ and above is controlled (Class E)

Shaded area (brown) indicates uncontrolled airspace below 14,500′ (Class G)

SPECIAL USE AIRSPACE

F SAN FRANCISCO
RED BLUFF
10 NAUTICAL MILES 10 N

Automated Weather Broadcast Systems:

ASOS/AWOS HIWAS TWEB

O00.0 000.0

NAME IDT

FSS name and identifier not associated with NAVAID

Air Route Traffic Control
Center (ARTCC)

___ Additional Control Area limit

In Canada:
CYA - Advisory Area
CYD - Danger Area
CYR - Restricted Area
Line delimits internal
separation of same
Special Use Area

See Airspace Tabulation for complete information

334—114.8 LIN 95 338—114.8 LIN 95

| 20 | 30 | 40 | 50 | 1"=8 NM | 40 | 60 | NAUTICAL MILES | 10 | NA

108.2 RBG 19 150 113

20 30 40 50 1"=8 NM 60

Overlaps Chart L-11 ROGUE VALLEY ROGUE VALLEY ROGUE VALLEY ROGUE VALLEY ROGUE VALLEY

MILITARY TRAINING ROUTES

 NUMBER
 ALTITUDE RANGE
 NUMBER
 ALTITUDE RANGE
 NUMBER
 ALTITUDE RANGE

 IR-203
 8000 TO 12000
 IR-346
 200 AGL TO FL290
 VR-202
 200 AGL TO 8000

 IR-207
 200 AGL TO 15000
 IR-348
 500 AGL TO 13000
 VR-331
 200 AGL TO 6000

 IR-344
 200 AGL TO 17000
 VR-301
 VR-301
 VR-301
 VR-301

ARTCC three letter idents: Albuquerque ZAB, Atlanta ZTL, Boston ZBW, Chicago ZAU, Cleveland ZOB, Denver ZDV Fort Worth ZFW, Houston ZHU, Indianapolis ZID, Jacksonville ZJX, Kansas City ZKC, Los Angeles ZLA, Memphis ZME Miami ZMA, Minneapolis ZMP, New York ZNY, Oakland ZOA, Salt Lake City ZLC, Seattle ZSE, Washington ZDC P - PROHIBITED, R - RESTRICTED, A - ALERT, W - WARNING AREAS CANADA: CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS All altitudes are MSL unless otherwise indicated

FL - Flight Level
Time - Hours shown are UTC unless otherwise indicated
Days - Sunrise to Sunset except Canada where it means
1/2 hr before sunrise to 1/2 hr after sunset
Nights - Sunset to Sunrise except Canada where it means
1/2 hr after sunset to 1/2 hr before sunrise

- During periods of Daylight Saving Time (DT)
effective hours will be one hour earlier than shown.
NOTAM - Use of this term in Restricted Areas indicates FAA And
DoD NOTAM systems. Use of this term in all other
Special Use areas indicates the DoD NOTAM system. SPECIAL USE AIRSPACE

SPECIAL USE AIRSPACE

TIMES USED, UTC CONTROLLING AGENCY
A LITHUDE DAYS HOURS WEATHER A/G CALL PANEL

DESI TO BUILD INCIDENCE OF CONTROLLING AGENCY
A LITHUDE DAYS HOURS WEATHER A/G CALL PANEL

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DEST TO BUILD INCIDENCE OF CONTROLLING AGENCY

A LITHUDE DAYS HOURS WEATHER A/G CALL PANEL

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DEST TO BU

P-51	To But Not Including 2500	Cont	Cont	VFR-IFR	No A/G	D
R-2531	To But Not Including 4000	Mon-Fri Ocn ll y Sat-Sun	1800-0450Z‡ By NOTAM	VFR-IFR	NORTHERN CALIFORNIA TRACON	F
R-6701	To 5000	By NOTAM	By NOTAM	VFR-IFR	NAS WHIDBEY IS APP CON	Е
R-6703A	To 14000	Mon-Fri *1	1500-0700Z‡	VFR-IFR	SEATTLE-TACOMA APP CON	D
R-6703B,D	To 5000	Mon-Fri *1	1500-0700Z‡	VFR-IFR	SEATTLE-TACOMA APP CON	D
R-6703C	To 14000	By NOTAM	By NOTAM	VFR-IFR	SEATTLE-TACOMA APP CON	D
A-680	То 3000	Mon-Fri *1 Mon-Fri *1	1800-0930Z‡ Apr-Oct 1800-0759Z‡ Nov-Mar	VFR-IFR	No A/G	E
A-682	To 6000 N Of Line To 3000 S Of Line	Mon-Fri	1600-0500Z‡	VFR	No A/G	F,G
W-93 NORTH	To FL 500	Cont *1	1600-2400Z‡	VFR-IFR	ZSE CNTR/FSS	A,B,I,
W-93 SOUTH	To FL 500	Cont *1	1600-2400Z‡	VFR-IFR	ZSE CNTR/FSS	1
W-237A,B LOW	To But Not Inclg FL 230	By NOTAM	By NOTAM	VFR-IFR	ZSE CNTR/FSS	D,E
W-260	To FL 600	Mon-Fri *1	1430-0500Z‡	VFR-IFR	ZOA CNTR/FSS	F,G
W-285B	To FL 190	Mon-Fri *1	1430-0500Z‡	VFR-IFR	NORTHERN CALIFORNIA TRACON	F
W-513	To FL 600	Mon-Fri *1	1430-0500Z‡	VFR-IFR	ZOA CNTR/FSS	F
W-570	To FL 500	By NOTAM	By NOTAM	VFR-IFR	ZSE CNTR/FSS	B,C
CYA 102	To 10000	By NOTAM	By NOTAM	VFR-IFR	VANCOUVER ACC	E
CYA 105	To 8000	Cont	Days	VFR	No A/G	E
CYA 110	To 2500	Ocnily By VICTORIA ATIS	Ocnily By VICTORIA ATIS	VFR	VICTORIA TOWER	E
CYA 113	To 5000	Cont	Days	VFR	No A/G	Е
CYA 118	То 3000	Cont	Days	VFR	No A/G	E
CYA 135	To 6000	Cont	Days	VFR	No A/G	Е
CYA 145	To 2500 To 4000 By NOTAM	By NOTAM	By NOTAM	VFR	No A/G	Е
CYA 176	To 4000	Cont	Days	VFR	No A/G	Е
CYA 177	To 4000	Cont	Days	VFR	No A/G	Е
CYA 178	To 6000	Cont	Days	VFR	No A/G	Е
CYA 179	To 6000	Cont	Days	VFR	No A/G	Е
CYA 180	To 5500	Cont	Days	VFR	No A/G	Е
CYA 181	To 5500	Cont	Days	VFR	No A/G	Е
CYA 182	To 5000	Cont	Days	VFR	No A/G	Е
CYA 183	To 5000	Cont	Days	VFR	No A/G	Е
CYA 184	To 5500	Cont	Days	VFR	No A/G	Е
CYR 103	To 3000	By NOTAM	By NOTAM	VFR-IFR	VANCOUVER ACC	Е
CYR 104	To 2000	By NOTAM	By NOTAM	VFR-IFR	VANCOUVER ACC	Е
CYR 107	To 1000 Above 1000 To 13500	Cont By NOTAM	Cont By NOTAM	VFR-IFR	VANCOUVER ACC	Е
CYR 108	То 3000	By NOTAM	By NOTAM	VFR-IFR	VANCOUVER ACC	E
CYR 109	Unltd	By NOTAM	By NOTAM	VFR-IFR	VANCOUVER ACC	E
CYR 114	To 500	Cont	Cont	VFR-IFR	No A/G	Е
CYR 138	To 1100	Cont	Cont	VFR-IFR	No A/G	E
CYR 139	To 1000	Cont	Cont	VFR-IFR	No A/G	Е
CYR 140	To 1500	Cont	Cont	VFR-IFR	No A/G	Е
CYR 141	To 300	Cont	Cont	VFR-IFR	No A/G	Е
CYR 156	To 3000	By NOTAM	By NOTAM	VFR-IFR	VANCOUVER ACC	Е
CYR 165	To 4000	Cont	Cont	VFR-IFR	No A/G	Е

Arcoto ACV I Independence State 755 B Roche Harbor Pxt WA89 E Arlington Muni AWO E Jack Mc Namaro Fld CEC I Rogers Fld O55 H Ashland Muni S33 I Jefferson Co Ini B S9 D Roge Valley Intl MrR 1 Ashtand Muni S33 I Jefferson Co Ini B S9 D Roge Valley Intl MrR 1 Ashtand Muni S31 C Ken Jemstedt Arfld 452 C Rohnerville FOT H Astoric RgnI AST C Ken Jemstedt Arfld 452 C Rohnerville FOT H Aubrum Muni AUN G Kingdon Arpk O20 F Roseburg RgnI RBG A Aburum Muni AUN G Kingdon Arpk O20 F Roseburg RgnI RBG A Aburum Muni AUN G Kingdon Arpk O20 F Roseburg RgnI RBG A Aburum Muni S50 D Klameth Folls LMT I Round Valley O09 H Auroro State UAO B Lake CA Air Park Pvt 6BCA H Ruth 142 H Bandon State 505 A Lampson Fld I O22 G Socramento Exec SAC G Beale AFB BA8 G Lincoln RgnI LHM G Socramento Exec SAC G Beale AFB BA8 G Lincoln RgnI LHM G Socramento Int SMF G Bellingham Intl Bul E Little River LLR G Socramento Mather MrR G Bealingham Intl Bul E Little River LLR G Socramento Mather MrR G Boonville D83 G Lodi I O3 F Son Francisco Intl SFO F Boundary Bay CZBB E Mohlon Sweet Fld EUG B Sonderson Fld SHN D Bowerman HQM D Mc Clellan Airfield MCC G Scoppose Industrial SFO F Bowerman HQM D Mc Clellan Airfield MCC G Scoppose Industrial SFB C Bearten Argon MrR G State S

A SACRAMENTO Overlaps Chart L-9

SANTA MARIA

Overlaps Chart L-9 Warning: Refer to current foreign charts and flight information publications for information within foreign airspace UNITED STATES GOVERNMENT ABCDE
FLIGHT INFORMATION PUBLICATION 1"=8 NM IFR ENROUTE LOW ALTITUDE - U.S. For use up to but not including 18,000' MSL EFFECTIVE 0901Z 23 SEP 2010 FOR PROCUREMENT CONTACT: FAA, National Aeronautical Navigation Services Washington, D.C. 20591 Online at http://nfdc.faa.gov Email 9-AWA-ATOR-AIS-feedback@faa.gov Telephone 1-866-295-8236 or any authorized chart agent FOR CHARTING ERRORS CONTACT: For Corrections Information, See Chapter 11 of General Planning (GP). For Procurement refer to DOD Catalog of Aeronautical Charts and Flight Information Publications. Frequently asked questions (FAQ) are answered on our web site at http://AERONAV.FAA.GOV.

See the FAQs prior to contact via toll free number or email. THIS CHART CONTAINS OFF ROUTE OBSTRUCTION CLEARANCE ALTITUDES (OROCA). The off route obstruction clearance altitudes shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The OROCA is based on information available concerning the highest known features in each quadrangle, including terrain and obstructions. OROCA provides obstruction clearance with a 1000 foot buffer in designated non-mountainous areas and a 2000 foot buffer in designated mountainous areas within the United States. For areas in Mexico and the Caribbean which are located outside of the U.S. ADIZ, OROCA provides obstruction clearance with a 3000 foot buffer. This altitude is provided for obstruction clearance only. It does not provide for NAVAID signal coverage or communication coverage, and would not be consistent with altitudes assigned by Air Traffic Control. ILS Localizer Course with additional navigation function PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS, APPROVED BY: DEPARTMENT OF DEFENSE • FEDERAL AVIATION ADMINISTRATION FAA Product ID: ELUS3 NSN 7641014109655

NGA REF. NO. ENRXXUSLCHT03

UNITED STATES GOVERNMENT FLIGHT INFORMATION PUBLICATION

IFR ENROUTE LOW ALTITUDE - U.S. For use up to but not including 18,000' MSL HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

Automated Weather Broadcast Systems:

ASOS/AWOS HIWAS TWEB

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KS

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AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION
BOUNDARIES

	F SANTA BARBARA Overlops Chart L-3 & L.7 SANTEGE	
NUMBER ALTITUDE RANGE NUMBER NUMBE	Note 10 10 10 10 10 10 10 1	
ARTCC three letter idents: Albuquerque ZAB, Atlanta ZTL, Boston ZBW, Chicago ZAU, Cleveland ZOB, Denver ZDV Fort Worth ZFW, Houston ZHU, Indianapolis ZID, Jacksonville ZIX, Kansas City ZKC, Los Angeles ZLA, Memphis ZME Miami ZMA, Minneapolis ZMP, New York ZNY, Ookland ZOA, Solt Lake City ZLC, Seathle ZSE, Washington ZDC P - PRCHIBITED, R - RESTRICTED, A - ALLERT, W - WARNING AREAS CANADA: CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AFEAS All altitudes are MSL unless otherwise indicated F.L - Flight Level Time - Hours shown are UTC unless otherwise indicated Dosy - Sourise to Sourise texcept Canada where it means 1/2 hr before sunrise to 1/2 hr after sunset DDD NOTAM systems. Use of this term in all other Special Use areas indicates he DoD NOTAM systems. Special Use Alress McCoult NUMBER R 2501E N.S, W Unlied Cont Cont VRHIR ALTINDE DAYS HOURS WEATHER A/G CALL PANEL RESOUE N.S, W Unlied Back Ranch Pvt 0CAP C Imperial Co. IPL I Reedley Muni OJ32 C Imperial Co. IPL I Incomposite TyC. Incomp	TO SELICIS ANCELES AFEA CHART A 2 SELICIS ANCELES AFEA CHART	
R-2503A To 2000 Cont * 1400-08002t		NTENTIONALLY LEFT BLANK
R-2534A,B 500 AG,I to Unbid Intermittent By NOTAM VFR.FR ZJA CNIR/FSS D.F. R-2535B To 100000 Mon-Fri 1 1400-60002t VFR.FR ZJA CNIR/FSS E.F. R-2535B To 100000 Mon-Fri 1 1400-60002t VFR.FR ZJA CNIR/FSS E.F. R-2535B To 100000 Mon-Fri 1 1400-60002t VFR.FR ZJA CNIR/FSS E.F. R-2535B To 100000 Mon-Fri 1 1400-60002t VFR.FR ZJA CNIR/FSS E.F. R-2535B To 100000 Mon-Fri 1 1400-60002t VFR.FR ZJA CNIR/FSS E.F. R-2535B To 100000 Mon-Fri 1 1400-60002t VFR.FR ZJA CNIR/FSS E.F. R-2535B To 100000 Mon-Fri 1 1430-05002t VFR.FR ZJA CNIR/FSS E.F. R-2535B To 100000 Mon-Fri 1 1430-05002t VFR.FR ZJA CNIR/FSS E.F. R-2535B To 100000 Mon-Fri 1 1430-05002t VFR.FR ZJA CNIR/FSS C. R-2535B To 100000 Mon-Fri Lidou-60002t VFR.FR ZJA CNIR/FSS E.F. R-2535B To 100000 Mon-Fri Lidou-60002t VFR.FR ZJA CNIR/FSS C. R-2535B To 100000 Mon-Fri Lidou-60002t VFR.FR ZJA CNIR/FSS C. R-2535B To 10000 Mon-Fri Lidou-60002t VFR.FR ZJA CNIR/FSS C. R-2535B To 10000 Mon-Fri Lidou-60002t VFR.FR ZJA CNIR/FSS C. R-2535B To 10000 Mon-Fri Lidou-60002t VFR.FR ZJA CNIR/FSS C. R-2535B To 10000 Mon-Fri Lidou-60002t VFR.FR ZJA CNIR/FSS C. R-2535B To 10000 Mon-Fri Lidou-6002t VFR.FR ZJA CNIR/FSS C. R-2535B To 10000 Mon-Fri Lidou-6002t VFR.FR ZJA CNIR/FSS C. R-2535B To 10000 Mon-Fri Lidou-6002t VFR.FR ZJA CNIR/FSS D.E.F. R-2535B To 10000 Mon-Fri Lidou-6002t VFR.FR ZJA CNIR/FSS D.E.F. R-2535B To 10000 Mon-Fri Lidou-6002t VFR.FR ZJA CNIR/FSS D.E.F. R-2535B To 10000 Mon-Fri Lidou-6002t VFR.FR ZJA CNIR/FSS D.E.F. R-2535B To 10000 Mon-Fri Lidou-6002t VFR.FR ZJA CNIR/FSS D.E.F. R-2535B To 10000 Mon-Fri Lidou-6002t VFR.FR ZJA CNIR/FSS D.E.F. R-2535B To 10000 Mon-Fri Lidou-6002t VFR.FR ZJA CNIR/FSS L. R-2535B To 10000 Mon-F		
ABELBRAYO 7000 '2 Mon-Fri '1 1300-06002F YFR-FR ZIA CNTR/FSS J Hermittent Industry (FR-FR ZIA CNTR/FSS J Mon-Fri '1 1300-06002F YFR-FR ZIA CNTR/FSS J Mon-Fri '1 1300-06002F YFR-FR ZIA CNTR/FSS J Mon-Fri '1 1300-06002F YFR-FR ZIA CNTR/FSS D MON-Fri '1 1400-06002F YFR-FR ZIA CNTR/FSS D MON-Fr	WATER AND THE PROPERTY OF THE	
Man-Thu 1300-05002# VFR-FR ZIA CNTR/FSS L	The state of the s	
TURILE 11000 '2 Mon-Fri *1 1400-24002# VFR-HR ZLA CNTR/FSS LJ *1 Other Times By NOTAM *3 Excludes Airspace Below 3000 AGL Over Wilderness Areas, National Parks, and Monuments *2 To But Not Inducting FL 180	38 WELLESTING WE	
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Warning: Refer to current foreign charts and flight information publications for information within foreign airspace FLIGHT INFORMATION PUBLICATION 1"=10 NM IFR ENROUTE LOW ALTITUDE - U.S. For use up to but not including 18,000' MSL

EFFECTIVE 0901Z 23 SEP 2010

FOR RECOMMENDATIONS REGARDING FORMAT AND CONTENT CONTACT: FOR PROCUREMENT CONTACT: Washington, D.C. 20591 Online at http://nfdc.faa.gov Email 9-AWA-ATOR-AIS-feedback@faa.gov Telephone 1-866-295-8236 or any authorized chart agent FOR CHARTING ERRORS CONTACT:

For Corrections Information, See Chapter 11 of General Planning (GP). For Procurement refer to DOD Catalog of Aeronautical Charts and Flight Information Publications.

Frequently asked questions (FAQ) are answered on our web site at http://AERONAV.FAA.GOV.

See the FAQs prior to contact via toll free number or email.

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PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS, APPROVED BY: DEPARTMENT OF DEFENSE • FEDERAL AVIATION ADMINISTRATION

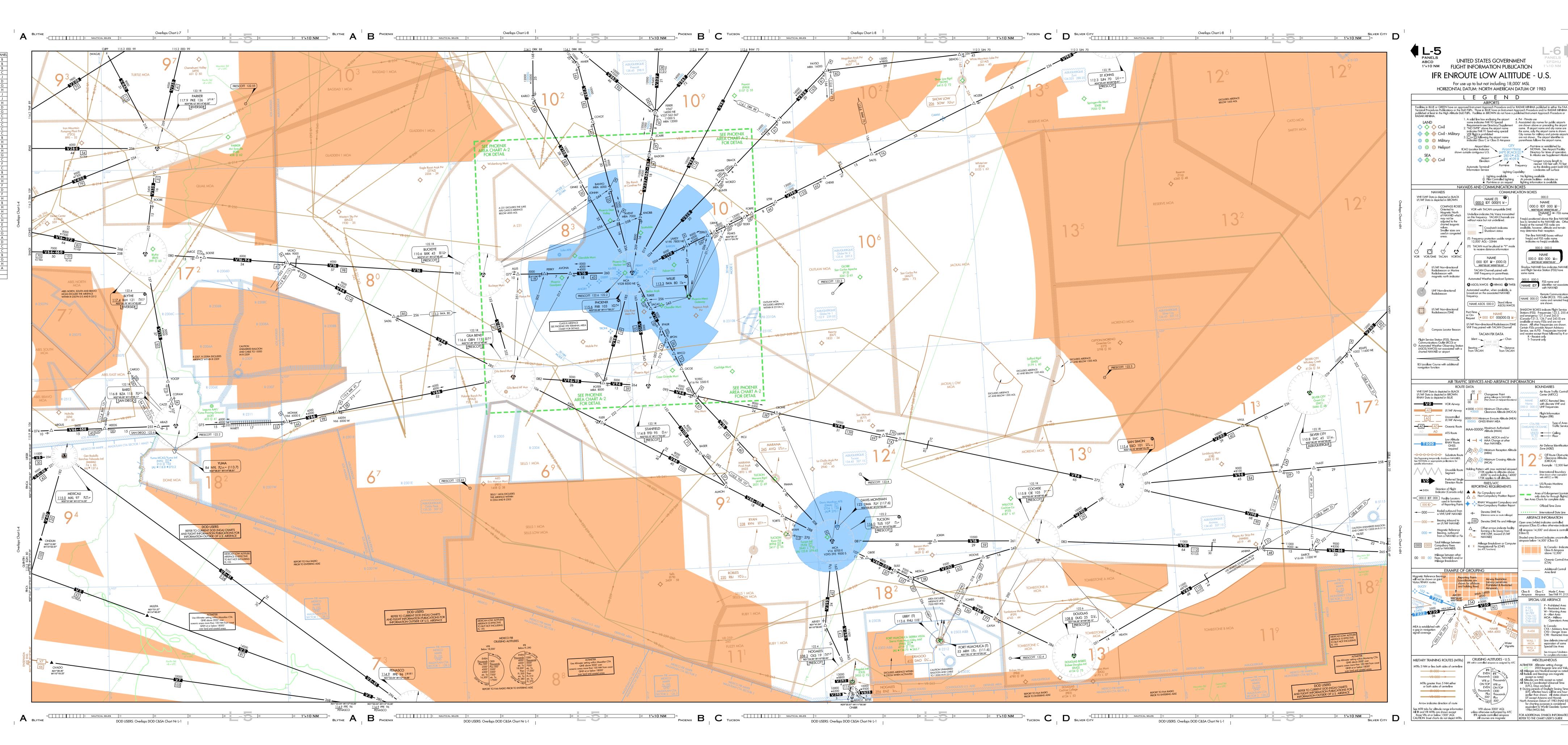
FAA Product ID: ELUS5

NSN 7641014109657 NGA REF. NO. ENRXXUSLCHT05



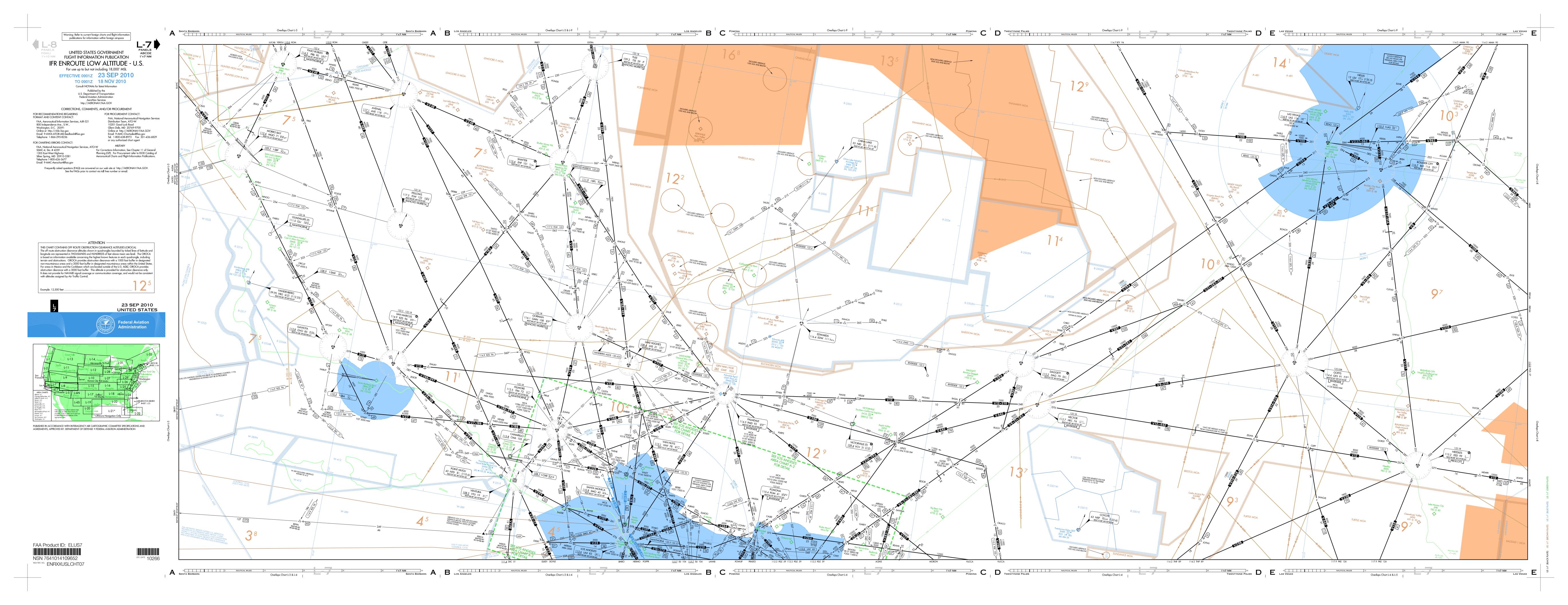
MILITARY TRAINING ROUTES

Alpine-Casparis Muni	E38	J	Gila Bend AF Aux	GBN	В	Pinal Arpk MZ	ני	
Alta Vista Ranch Pvt	ØTA7	J	Gila Bend Muni	E63	В	Pitcock R Mtn R Pvt Ø97	S	
Andrews Co	E11	Н	Gila River Mem Pvt	34AZ	В	Playas Air Strip Pvt NM	36	Ī
Artesia Muni	ATS	G	Glendale Muni	GEU	В	Portales Muni PR	7	(
Avi Suquilla	P2Ø	Α	Grant Co	SVC	D	Post-Garza Co Muni 5F	1	I
Benger Arpk	X54	Н	Greenlee Co	CFT	D	Presidio Lely Intl T77	7	
Benson Muni	E95	С	Hacienda SurLuna Pvt	NM78	Е	Rancho Del Cielo Pvt XS2	4	
Big Bend Ranch St Pk	3TE3	J	Hale Co	PVW	Н	Reese Arpk Pvt 8XS	8	Ī
Big Spring Mc Mahon	BPG	Н	Hatch Muni	EØ5	E	Reserve T1	5	Ī
Biggs AAF	BIF	F	Hereford Muni	HRX	Н	Roswell Intl Air Center RO	~	(
Bisbee Douglas Intl	DUG	D	Holloman AFB	HMN	F	Ryan Fld RYI	<u></u>	
Bisbee Muni	PØ4	С	Holtville	LØ4	Α	Safford Rgnl SA		
Blythe	BLH	Α	Horizon	T27	F	San Carlos Apache P1		
Buckeye Muni	BXK	В	Industrial Arpk Pvt	NM83	G	San Carlos Pvt 4AZ		
Cannon AFB	CVS	G	Iron Mountain P P Pvt		Ā	San Manuel E7:		
Carrizozo Muni	F37	F	Iron Mtn Ranch Pvt	5TE5	Ĵ	Scottsdale SD		-
Casa Grande Muni	CGZ	В	Kearny	E67	c	Seagraves F93		-
	CNM	G	La Cholla Arpk Pvt	57AZ	c	Sells E7		-
Chandler Muni	CHD	В	Laguna AAF	LGF	Ā	Seminole Spraying Pvt 391		ī
Chemehuevi Valley	49X	A	Lajitas Intl Pvt	89TE	Ĵ	Seven Rivers Pvt 62N		-
C Dorado Estates Pvt	TA50	F	Lamesa Muni	2F5	H	Show Low Rgnl SO		_
	IØ6	H		LRU	F			
City Of Tulia/Swisher		$\overline{}$	Las Cruces Intl	HOB	G			_
Clovis Muni	CVN	Н	Lea Co Rgnl			Sierra Vista-Libby AAF FH		
Cochise Co	P33	С	Lea Co/Jal	E26	G	Sky Ranch CarefreePvt18A		_
Cochise College	PØ3	D	Lea Co-Zip Franklin	EØ6	G	Skywest Inc 7T		_
C Cattle Company Pvt		Н	Levelland Muni	LLN	Н	Slaton Muni F4		_
Condron AAF	WSD	F	Littlefield Muni	LIU	Н	Socorro Muni ON		
Coolidge Muni	PØ8	С	Lordsburg Muni	LSB	D	Springerville Muni D6		_
Culberson Co	VHN	J	Lubbock Preston Smith		Н	Stallion AAF 95		_
Davis Monthan AFB	DMA	С	Luke AFB	LUF	В	Stanton Muni 63		
Dell City Muni	2E5	F	Mabee Ranch Pvt	7TX5	Н	Stellar Arpk P1		
Deming Muni	DMN	Е	Marana Rgnl	AVQ	С	T-Bar 2F		
Denver City	E57	Н	Maravillas Gap R Pvt	48XS	J	Terry Co BF		
	CN64	Α	Marfa Muni	MRF	J	Tombstone Muni P2		
Diamond A Ranch Pvt	81NM	F	Midland Arpk	MDD	Н	Town & Country Arpk F8	2	Ī
Dimmitt Muni	T55	Н	Midland Intl	MAF	Н	Truth Or Consequences TC	S	
Dona Ana Co	5T6	F	Mobile Pvt	1AZØ	В	Tucson Intl TU	S	
Douglas Muni	DGL	D	Mogollon Arpk Pvt	AZ82	С	Vaughn Muni N1	7	(
Eagle Roost Arpk Pvt	27AZ	В	Muleshoe Muni	2T1	Н	Western Sky Pvt ØAZ	72	,
E L Wells Ranch Pvt	TX31	Н	Nogales Intl	OLS	С	Whiskey Creek 94	E	Ī
El Paso Int	ELP	F	Odessa-Schlemeyer	ODO	Н	White Mtn Lake Pvt 21A	Z	
Eloy Muni	E6Ø	В	Paloma Ranch Pvt	29AZ	В	Whiteriver E2	4	
Eric Marcus Muni	PØ1	В	Payson	PAN	С	Wickenburg Muni E2	5	-
Fabens	E35	F	Pecos Muni	PEQ	J	Winkler Co INI		
	XAØ5	H	Pegasus Arpk Pvt	5AZ3	В	Yoakum Co F9		Ī
Falcon Fld	FFZ	В	Phoenix Deer Valley	DVT	В	Yuma MCAS/Yuma NY		-
Floydada Muni	41F	Н	Phoenix Goodyear	GYR	В	Toma McAo, Toma 141		-
i loyadda Morii	FSU	G	Phoenix Rgnl	A39	В			_



Asos/Awos HIWAS TWEB





PANELS ABCDE U 1"=7 NM FLIG

UNITED STATES GOVERNMENT FGHIJ
FIGHT INFORMATION PUBLICATION 1"=10 NM

FRENROUTE LOW ALTITUDE - U.S.

For use up to but not including 18,000' MSL HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

(H) (H) Heliport ICAO Location Indicator shown outside contiguous U.S. VOR with TACAN compatible DME areas.

(T) Frequency protection usable range at 12,000° AGL - 25NM

(Y) TACAN must be placed in "Y" mode to receive distance information

(Y) TACAN must be placed in "Y" mode to receive distance information (Y) TACAN must be placed in "Y" mode to receive distance information

NAME

000 IDT ≅ ·· (000.0)

N00°00.00 'W000°00.00'

TACAN Channel paired with VHF Frequency in parenthesis. Automated Weather Broadcast Systems:

ASOS/AWOS THIWAS TWEB

OOO.0 000.0

NAME IDT

FSS name and identifier not associated with NAVAID UHF Non-directional Radiobeacon Automated weather, when available, is broadcast on the associated NAVAID fraguest Compass Locator Beacon ILS Localizer Course with additional navigation function AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

POLITE DATA

BOUNDARIES Air Route Traffic Control Center (ARTCC) LF/MF Airway | *0000 *0000 Minimum Obstruction *0000 Clearance Altitude (MOCA) required Minimum Reception Altitude (MRA) Via/bypassing temporarily shutdown NAVAIDS.
See NOTAMs or appropriate publications for specific information.

(MRA)

Minimum Crossing Altitude (MCA) Unusable Route
Segment

Holding Pattern with max restricted airspeed
210K applies to altitudes above
6000' to and including 14000'
175K applies to all altitudes
FIXES/ATC
REPORTING REQUIREMENTS Provided the provided High tention of Flight Indicator (Canada anly)

■ Direction of Flight Indicator (Canada anly)

■ Fix Compulsory and Non-Compulsory Position Report See Area Charts for complete data

■ Area of Enlargement (contains only data for through flights)

See Area Charts for complete data

■ Area of Enlargement (contains only data for through flights)

See Area Charts for complete data

■ Official Time Zone Bearing inbound to an LF/MF NAVAID

Magnetic Reference Bearing, outbound from a NAVAID or Fix

MAYAID

Magnetic Reference Bearing, outbound from a NAVAID or Fix

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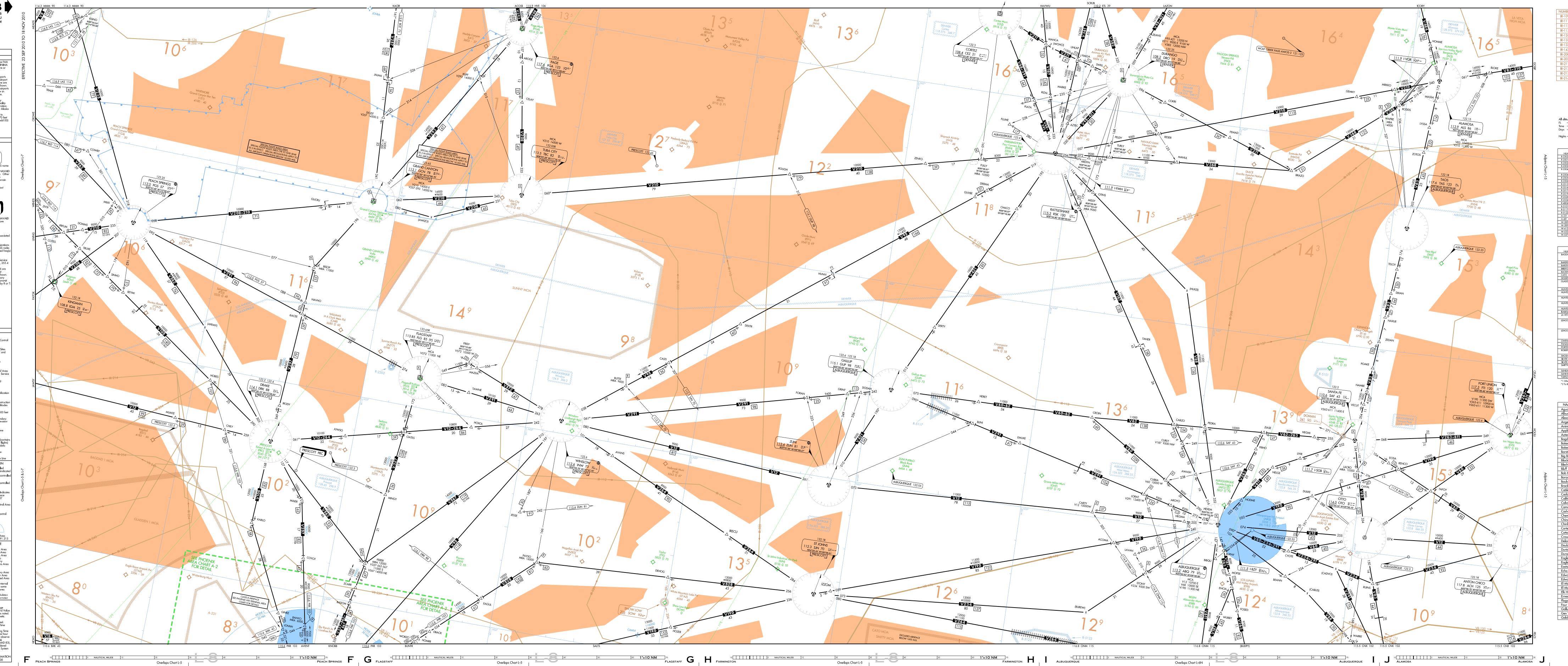
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May See Airspace Tobulation for complete information

MISCELLANEOUS MILITARY TRAINING ROUTES (MTRs) CRUISING ALTITUDES - U.S. IFR within controlled airspace as assigned by ATC MTRs 5 NM or less both sides of centerline MTRs greater than 5 NM either or both sides of centerline Arrow indicates direction of route



PEACH SPRINGS FOUND FLAGSTAFF GOVERINGS Chart L-9

PEACH SPRINGS FOUND FLAGSTAFF GOVERINGS Chart L-9

PEACH SPRINGS FARMINGTON FLAGSTAFF GOVERINGS Chart L-9

ALBUQUERQUE FARMINGTON FARMINGTON FLAGSTAFF GOVERINGS Chart L-9

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	•		MII	LITARY	TRAINING ROUT	ES	
		NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE
		IR-109	100 AGL TO 16000	IR-217	200 AGL TO 7000	VR-231	100 AGL TO 7000
4		IR-111	100 AGL TO 16000	IR-218	500 AGL TO 6000	VR-239	300 AGL TO 9500
		IR-112	SURFACE TO 11000	IR-236	200 AGL TO 14500	VR-241	300 AGL TO 9500
		IR-113	100 AGL TO 11500	IR-250	SURFACE TO 8000	VR-242	300 AGL TO 9000
		IR-126	SURFACE TO FL200	IR-252	SURFACE TO 8000	VR-243	300 AGL TO 9500
ШШ		IR-133	100 AGL TO 12000	IR-254	SURFACE TO 9000	VR-244	300 AGL TO 9000
		IR-137	SURFACE TO 13000	IR-266	400 AGL TO 17000	VR-245	300 AGL TO 9000
		IR-142	100 AGL TO 12000	IR-308	SURFACE TO 13000	VR-249	3000 TO 5000
		IR-200	500 AGL TO 12000	IR-320	100 AGL TO FL230	VR-289	SURFACE TO 4500
		IR-203	8000 TO 12000	IR-425	500 AGL TO 12000	VR-296	SURFACE TO 4000
	GO	IR-211	200 AGL TO 8000	VR-100	SURFACE TO 12500	VR-299	300 AGL TO 4000
	SF .	IR-212	200 AGL TO 8000	VR-125	SURFACE TO 12500	VR-413	500 AGL TO 17000
۱ ا		IR-213	200 AGL TO 8000	VR-176	100 AGL TO 5000 AGL		
À		IR-214	200 AGL TO 8000	VR-222	100 AGL TO 1500 AGL		

ARTCC three letter idents: Albuquerque ZAB, Atlanta ZTL, Boston ZBW, Chicago ZAU, Cleveland ZOB, Denver ZDV Fort Worth ZFW, Houston ZHU, Indianapolis ZID, Jacksonville ZJX, Kansas City ZKC, Los Angeles ZLA, Memphis ZME Miami ZMA, Minneapolis ZMP, New York ZNY, Oakland ZOA, Salt Lake City ZLC, Seattle ZSE, Washington ZDC P - PROHIBITED, R - RESTRICTED, A - ALERT, W - WARNING AREAS CANADA: CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS

All altitudes are MSL unless otherwise indicated
FL - Flight Level
Time - Hours shown are UTC unless otherwise indicated
Days - Sunrise to Sunset except Canada where it means
1/2 hr before sunrise to 1/2 hr after sunset
Nights - Sunset to Sunsiet to 1/2 hr before sunrise

Cont - Continuous: 24 hrs a day, 7 days a week

† - During periods of Daylight Saving Time (DT)
effective hours will be one hour earlier than shown.

NOTAM - Use of this term in Restricted Areas indicates FAA And
DoD NOTAM systems. Use of this term in all other
Special Use areas indicates the DoD NOTAM system.

	EFFECTIVE		TIMES USED, UTC		CONTROLLING AGENCY	Т
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	
R-2302	To 10000	Mon-Sat	1500-0700Z	VFR-IFR	ZAB CNTR/FSS	T
R-2501E,N,S,W	Unltd	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	T
R-2502A	To 16000	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	T
R-2502E,N	Unltd	Cont	Cont	VFR-IFR	FSS/HI-DESERT TRACON	Т
R-2504A	To But Not Including 6000	Cont	1400-0800Z‡	VFR-IFR	ZOA CNTR/FSS	Ī
R-2504B	6000 To 15000	Cont	1400-0800Z‡	VFR-IFR	ZOA CNTR/FSS	Т
R-2505	Unltd	Cont	Cont	VFR-IFR	FSS/HI-DESERT TRACON	Т
R-2506	To 6000	Mon-Fri	Days	VFR-IFR	FSS/HI-DESERT TRACON	Т
R-2515	Unltd	Cont	Cont	VFR-IFR	FSS/HI-DESERT TRACON	T
R-2516	Unltd	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	Т
R-2517	Unltd	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	Т
R-2519	Unltd	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	Т
R-2524	Unltd	Cont	Cont	VFR-IFR	FSS/HI-DESERT TRACON	Т
R-2534A,B	500 AGL To Unltd	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	Т
R-4806W	Unltd	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	T
R-5101	To 12000	Cont	Cont	VFR-IFR	ZAB CNTR/FSS	T
R-5117	Unltd	Intermittent	By NOTAM	VFR-IFR	ZAB CNTR/FSS	Т
R-5123	Unltd	Intermittent	By NOTAM	VFR-IFR	ZAB CNTR/FSS	Т
A-231	500 AGL To 6500	Cont	Cont	VFR-IFR	No A/G	Т
A-481	7000 To 17000	Cont *1	Sunrise-0600Z‡	VFR	No A/G	Т
W-289	Unltd	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	Т
W-289N	To FL 240	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	Т
W-412	To 3000	Cont	Days	VFR-IFR	ZLA CNTR/FSS	Т
W-532E,N,S	Unltd	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	T
W-537	Unltd	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	7

MILITARY OPERATIONS AREAS

	EFFECTIVE		TIMES USED, UTC		CONTROLLING AGENCY	
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	PANEL
BAGDAD 1	7000 or 5000 AGL Whichever is Higher *2	Mon-Fri *1	1300-0200Z	VFR-IFR	ZAB CNTR/FSS	E,F
BAKERSFIELD	2000 AGL *2	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	В
BARSTOW	200 AGL *2	Mon-Fri *1	1400-0600Z‡	VFR-IFR	FSS/HI-DESERT TRACON	C,D
BRISTOL	5000 *2	Mon-Fri *1	1500-2300Z‡	VFR-IFR	ZLA CNTR/FSS	D
BUCKHORN	200 AGL *2	Mon-Fri *1	1400-0600Z‡	VFR-IFR	ZLA CNTR/FSS	С
CATO	13500 *2	Mon-Sat *1	1500-0500Z‡	VFR-IFR	ZAB CNTR/FSS	Н
DESERT	100 AGL *2	Mon-Sat *1	Days	VFR-IFR	NELL I S CONTROL	E
GLADDEN 1	7000 or 5000 AGL Whichever Is Higher *2	Mon-Fri *1	1300-0200Z	VFR-IFR	ZAB CNTR/FSS	F
HUNTER HIGH	11000 *2	Intermittent	By NOTAM	VFR-IFR	ZOA CNTR/FSS	Α
HUNTER LOW A	200 AGL To But Not Including 11000	Intermittent	By NOTAM	VFR-IFR	ZOA CNTR/FSS	Α
HUNTER LOW B	2000 AGL To But Not Including 11000	Intermittent	By NOTAM	VFR-IFR	ZOA CNTR/FSS	А
HUNTER LOW C	3000 AGL To But Not Including 11000	Intermittent	By NOTAM	VFR-IFR	ZOA CNTR/FSS	A
HUNTER LOW E	1500 AGL To 3000	Intermittent	By NOTAM	VFR-IFR	ZOA CNTR/FSS	Α
ISABELLA	200 AGL *2 *3	Mon-Fri *1	1400-0600Z‡	VFR-IFR	FSS/HI-DESERT TRACON	B,C
LA VETA H I GH	13000 *2	Mon-Fri Exc Holidays *1	1400-2300Z‡	VFR-IFR	ZDV CNTR/FSS	J
LEMOORE D	5000 *2	Mon-Thu *1 Fri *1 1 Sat per mo *1 1 Sun per mo *1	1600-0700Z‡ 1600-0200Z‡ 1800-0200Z‡ 2100-0500Z‡	VFR-IFR	ZOA CNTR/FSS	A,B
LEMOORE E	5000 *2	Mon-Thu *1 Fri *1 1 Sat per mo *1 1 Sun per mo *1	1600-0700Z‡ 1600-0200Z‡ 1800-0200Z‡ 2100-0500Z‡	VFR-IFR	zoa Cntr/fss	В
OWENS	200 AGL *2 *3	Mon-Fri *1	1400-0600Z‡	VFR-IFR	FSS/HI-DESERT TRACON	С
Panam i nt	200 AGL *2	Mon-Fri *1	1400-0600Z‡	VFR-IFR	FSS/HI-DESERT TRACON	C,D
PORTERVILLE	2000 AGL *2	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	В
ROBERTS	500 AGL To But Not Including 15000	Intermittent	By NOTAM	VFR-IFR	ZOA CNTR/FSS	Α
SHOSHONE	200 AGL *2	Mon-Fri *1	1400-0600Z‡	VFR-IFR	ZLA CNTR/FSS	D
SILVER NORTH	200 AGL To 9000	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	D
SILVER SOUTH	200 AGL To 7000	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	D
SMITTY	500 AGL To But Not Including 13500	Cont	1500-0500Z‡	VFR-IFR	ZAB CNTR/FSS	Н
SUNDANCE	500 AGL To 10000	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	D
SUNNY	12000 *2	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	G
TURTLE	11000 *2	Mon-Fri *1	1400-2400Z	VFR-IFR	ZLA CNTR/FSS	D,E

AIRPORT LOCATIONS

NAME	ID	PANEL	NAME	ID	PANEL	NAME	ID	PANE
Agua Dulce	L7Ø	В	Grand Canyon Bar Te		F	Peabody Bedard Pvt	38AZ	G
Albuquerque I Sunpor		ı	Grand Canyon NatlPk		G	Perkins Fld	UØ8	Е
Alexander Muni	E8Ø	ı	Grand Canyon West	1G4	F	Point Mugu NAS	NTD	В
Angel Fire	AXX	J	Grants-Milan Muni	GNT	ı	Polacca	P1Ø	G
Animas Arpk	ØØC	ı	Gray Butte Fld Pvt	Ø4CA	С	Poso-Kern Co	L73	В
Apple Valley	APV	С	H A Clark Mem Fld	CMR	F	Quail Lake Sky Pk Pvt	CL46	В
Aztec Muni	N19	ı	Henderson Exec	HND	Е	Questa Muni Nr 2	N24	J
Bagdad	E51	F	Hesperia	L26	С	Redlands Muni	REI	C
Baker	ØO2	D	Holbrook Muni	P14	G	Rialto Muni /Miro Fld	L67	С
Bakersfield Muni	L45	В	Hualapai Pvt	3AZ5	F	Rosamond Skypark	LØØ	В
Barstow-Daggett	DAG	С	Inyokern	IYK	С	San Bernardino Intl	SBD	С
Big Bear City	L35	С	Jack Northrop Fld	HHR	В	San Luis Co Rgnl	SBP	Α
Black Rock	ZUN	Н	Jean	ØL7	Е	San Luis Valley Rgnl	ALS	J
Blech Ranch Pvt	ØCA9	A	Jicarilla Apache Natn		ī	Sandia Arpk Estates E		ı
Bluff	66V	Н	Kayenta	ØV7	Н	Santa Barbara Muni	SBA	A
Bob Hope	BUR	В	Kern Valley	LØ5	В	Santa Fe Muni	SAF	T I
Borax Pvt	28CL	C	Kingman	IGM	F	Santa Maria Pub	SMX	A
Boulder City Muni	61B	E	Kingston Ranch Pvt	Ø4NV	D	Santa Monica Muni	SMO	
Brackett Fld	POC	C	Lake Havasu City	HII	E	Santa Ynez	IZA	A
Cable	CCB	C	Las Vegas Muni	LVS	J	Searchlight	1L3	E
Cadiz Airstrip Pvt	CA9Ø	D	Laughlin/Bullhead Intl		E	Sedona	SEZ	G
	L71							F
California City Muni		С	Lompoc	LPC	A	Seligman	P23	
Calvada Meadows Pv		D	Los Alamos	LAM	1	Shafter-Minter Fld	MIT	В
Camarillo	CMA	В	Los Angeles Intl	LAX	В	Shiprock Airstrip	5V5	<u>H</u>
Cashen Pvt	38CA	В	Lost Hills-Kern Co	L84	В	Show Low Rgnl	SOW	G
Chemehuevi Valley	49X	E	Manzano-Mtn Air Pvt		ı	Sky Ranch	3L2	D
China Lake NAWS	NID	С	Marble Canyon	L41	G	Sky Ranch CarefreePv	†18AZ	F
Chinle Muni	E91	Н	Mc Carran Int	LAS	Е	Southern CA Logistics		С
Cortez Muni	CEZ	Н	Meadows Fld	BFL	В	StJohns Industrial Arp	k SJN	Н
Cottonwood	P52	F	Mid Valley Arpk	E98	ı	Stevens Fld	PSO	I
Crownpoint	ØE8	Н	Mogollon Arpk Pvt	AZ82	G	Sun Valley	A2Ø	Е
Delano Muni	DLO	В	Mojave	MHV	С	Sunrise Ranch Pvt	AZP	G
Double Eagle II	AEG	ı	Monte Vista Muni	MV	J	Taft-Kern Co	L17	В
Dunton Ranch Pvt	73AZ	F	Montezuma Pvt	19AZ	G	Taos Rgnl	SKX	J
Durango-La Plata Co	DRO	ı	Monument Valley Pvt	UT25	Н	Taylor	TYL	G
Eagle Arpk	AØ9	Е	Moriarty	ØEØ	ı	Teĥachapi Muni	TSP	В
Eagle Roost Arpk Pvt	27AZ	F	Mountain Valley	L94	В	Temple Bar	U3Ø	Е
Eastside Pvt	NM24		Navajo Lake	1VØ	ī	Trona	L72	C
Echo Bay	ØL9	E	Needles	EED	E	Tuba City	TØ3	Ğ
Edwards AFAux NBas		C	Nellis AFB	LSV	E	Twentynine Palms SEL		D
Edwards AFB	EDW	c	New Cuyama	L88	Ā	Valle	4ØG	G
El Mirage Fld Pvt	99CL	C	North Las Vegas	VGT	Ē	Van Nuys	VNY	В
El Monte	EMT	В	Ohkay Owingeh	E14	I	Vandenberg AFB	VBG	A
Elk Hills-Buttonwillow	L62	В	Oliato Pvt	Ø5UT	H	Wasco-Kern Co	L19	B
	PRC	F	Ontario Intl	ONT	C	Western Sky Pvt	ØAZ2	F
Ernest A. Love Fld Flagstaff Pulliam						White Mtn Lake Pvt		
	FLG	G	Oxnard	OXR	В		21AZ	G
Four Corners Rgnl	FMN	H	Page Muni	PGA	G	Whiteman	WHP	В
Gallup Muni	GUP	Н	Palmdale Rgnl/USAF	PMD	C	Wickenburg Muni	E25	F
Gen Wm J Fox Airfiel		В	Paso Robles Muni	PRB	Α	Window Rock	RQE	Н
Goldstone/GTS Pvt	ØØCA	C	Payson	PAN	G	Winslow-Lindbergh	NW	G

A RENO COVERÍADS CHAT L-11 COVERÍA CHA Warning: Refer to current foreign charts and flight information publications for information within foreign airspace UNITED STATES GOVERNMENT

FLIGHT INFORMATION PUBLICATION

PANELS

ABCDE

1"=14 NM IFR ENROUTE LOW ALTITUDE - U.S. For use up to but not including 18,000' MSL EFFECTIVE 0901Z 23 SEP 2010 Consult NOTAMs for latest Information Published by the
U.S. Department of Transportation
Federal Aviation Administration
AeroNav Services
http://AERONAV.FAA.GOV CORRECTIONS, COMMENTS, AND/OR PROCUREMENT FOR RECOMMENDATIONS REGARDING FORMAT AND CONTENT CONTACT: FOR PROCUREMENT CONTACT: FAA, National Aeronautical Navigation Services Distribution Team, ATO-W 10201 Good Luck Road
Glenn Dale, MD 20769-9700
Online at http://AERONAV.FAA.GOV
Email 9-AMC-Chartsales@faa.gov
Tel. 1-800-638-8972 Fax 301-436-6829
or any authorized chart agent Washington, D.C. 20591 Online at http://nfdc.faa.gov Email 9-AWA-ATOR-AIS-feedback@faa.gov Telephone 1-866-295-8236 FOR CHARTING ERRORS CONTACT: For Corrections Information, See Chapter 11 of General Planning (GP). For Procurement refer to DOD Catalog of Aeronautical Charts and Flight Information Publications. Frequently asked questions (FAQ) are answered on our web site at http://AERONAV.FAA.GOV.

See the FAQs prior to contact via toll free number or email. THIS CHART CONTAINS OFF ROUTE OBSTRUCTION CLEARANCE ALTITUDES (OROCA). The off route obstruction clearance altitudes shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The OROCA is based on information available concerning the highest known features in each quadrangle, including terrain and obstructions. OROCA provides obstruction clearance with a 1000 foot buffer in designated retrain and obstructions. OROCA provides obstruction dearance with a 1000 foot buffer in designated non-mountainous areas and a 2000 foot buffer in designated mountainous areas within the United States. For areas in Mexico and the Caribbean which are located outside of the U.S. ADIZ, OROCA provides obstruction clearance with a 3000 foot buffer. This altitude is provided for obstruction clearance only. It does not provide for NAVAID signal coverage or communication coverage, and would not be consistent with altitudes assigned by Air Traffic Control. 114.8 LIN 95 - 060° - \(\times \) DARBI ILS Localizer Course with additional AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

ROUTE DATA

VHF/UHF Data is depicted in BIACK

LF/MF Data is depicted in BROWN

Center (ARTCC) PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS, APPROVED BY: DEPARTMENT OF DEFENSE • FEDERAL AVIATION ADMINISTRATION FAA Product ID: ELUS9 NGA REF. NO. ENRXXUSLCHT09

PANELS
ABCDE

1"=14 NM

FLIGHT INFORMATION PUBLICATION IFR ENROUTE LOW ALTITUDE - U.S.

For use up to but not including 18,000' MSL HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 L E G E N D

	AIRPORTS
Terminal Procedures Publications or the	proved Instrument Approach Procedure and/or RADAR MINIMA published in either the FA. DoD FLIPs. Those in BLUE have an Instrument Approach Procedure and/or RADAR MINIM. DD FLIPs. Facilities in BROWN do not have a published Instrument Approach Procedure or
LAND Civil Civil - Military Military	A solid line box enclosing the airport name indicates FAR 93 Special Requirements-see Directory/Supplement 2. "NO SVFR" above the airport name indicates FAR 91 fixed-wing special VFR flight is prohibited 3. [O or [D] following the airport name indicates Class C or Class D Airspace
	Airport Ident ICAO Location Indicator outside contiguous U.S. Airport Name (APT) (ICAO) D D Directory for times of operation In Alaska see Supplement Alas
-	Automatic Terminal Information Service Automatic Terminal Information Service Automatic Terminal Information Service Lighting Capability: Longest runway length to nearest 100 feet with 70 fee as the dividing point (add 0 s indicates soft surface)
	 Lighting available Pilot Controlled Lighting ★ Part-time or on request No lighting available At private facilities - indicates no lighting information is available.

NAV.	AIDS AND COMMUNICATION BO	DXES
NAVAIDS	COMMUNICA	ATION BOXES
VHF/UHF Data is depicted in BLACK LF/MF Data is depicted in BROWN COMPASS ROSES Oriented to Magnetic North of NAVAID which may not be adjusted to the charted isogonic values. Smaller sizes are used in congested areas.	NAME (T) 000.0 IDT 000(Y) :- VOR with TACAN compatible DME Underline indicates No Voice transmitted on this frequency. TACAN Channels are without voice but not underlined. Crosshatch indicates Shutdown status (T) Frequency protection usable range at	000.0 NAME 000.0 IDT 000 NAME 000.0 IDT 000 NAME NAME NAME Freq(s) positioned above thin line NAVAID box is remoted to the NAVAID site. Other freq(s) at the named FSS radia are available, however, altitude and terrain may determine their reception. Thin line NAVAID boxes without freq(s) and FSS radio name
VOR VOR/DME TACAN VORTAC LF/MF Non-directional Radiobeacon or Marine Radiobeacon with magnetic north indicator UHF Non-directional	(1) requency protection usage range at 12,000' AGL - 25NM (Y) TACAN must be placed in "Y" mode to receive distance information NAME 000 IDT : (000.0) M00°00.00' W000°00.00' TACAN Channel paired with VHF Frequency in parenthesis. Automated Weather Broadcast Systems: ASOS/AWOS HIWAS TWEB Automated weather, when available, is	reg(s) and F35 tation dame indicates no freq(s) available. 000.0 000.0 NAME 000.0 IDD 000 Shadow NAVAID box indicates NAVAID and Flight Service Station (FSS) have same name 000.0 000.0 NAME IDT FSS name and identifier not associated with NAVAID
Radiobeacon LF/MF Non-directional Radiobeacon/DME	Part-Time or On- Request NAME	Remote Communications Outlet (RCO). FSS radio name and remoted freq(s) are shown. SHADOW BOXES indicate Flight Service Stations (FSS). Frequencies 122.2, 255.4 and emergency 121.5 and 243.0 (Canada-121.5, 126.7 and 243.0) are available at many FSSs and are not
Compass Locator Beacon Flight Service Station (FSS), Remote Communications Outlet (RCO) or Automated Weather Observing Station (ASOS/AWOS) and associated with a	LF/MF Non-directional Radiobeacon/DME VHF Freq paired with TACAN Channel TACAN FIX DATA Ident NME 00 000°/000 Distance	Available at Interpretation of the Interpretation of Interpretation of the Interpretation of Interpretation of the Interpretation of Interpretation of the Interpretation of Interpretat

LF/MF Data is depicted			Changeover Point		Center (ARTCC)
RNAV Data is depicted	in BLUE VOR Airway	00 00	giving mileage to NAVAIDs (Not shown at midpoint locations)		ARTCC Remoted Sites with discrete VHF and
A0	LF/MF Airway	*0000 *000 *0000	O Minimum Obstruction Clearance Altitude (MOCA)	4000.0 000.05	UHF frequencies Flight Information
A0	Uncontro ll ed LF/MF Airway		nimum Enroute A l titude (MEA) NSS RNAV MEA		Region (FIR) Type of Area
A0 A0	Oceanic Route	MAA-0000	O Maximum Authorized Altitude (MAA)	OAKLAND OC KZAK	
A0 A0	ATS Route		MEA, MOCA and/or	UNLTD FL 55	Ceiling Floor
T000	Low Altitude RNAV Route GNSS	- -	MAA Change at other than NAVAIDs	ACC -	Air Defense Identification
0-0-0-0-0-0-0-	required Substitute Route	RIPIA	Minimum Reception Altitude (MRA)		Zone (ADIZ) Off Route Obstruction
ia/bypassing temporarily shu ee NOTAMs or appropriate p pecific information.	tdown NAVAIDS.	A A	Minimum Crossing Altitude (MCA)	12	Clearance Altitudes (OROCA) Example: 12,500 feet
\\\\	Unusable Route Segment	(IAS) 21	rn with max restricted airspeed OK applies to altitudes above 5000' to and including 14000'		International Boundary (Not shown when coincident with ARTCC or FIR)
VO	Preferred Single Direction Route		5K applies to all altitudes FIXES/ATC		US/Russia Maritime
	on of Flight		TING REQUIREMENTS		Boundary
Indicat	or (Canada only) acility Locators	A Fix No	Compulsory and n-Compulsory Position Report	only	a of Enlargement (contains data for through flights) arts for complete data
	ed in formation Reporting Points		AV Waypoint Compulsory and n-Compulsory Position Report		Official Time Zone
	I outbound from F/UHF NAVAID		Denotes DME Fix Distance same as route mileage)		International Date Line
— 000 → Bearing an LF	ng inbound to /MF NAVAID	€00 1	Denotes DME Fix and Mi l eage	Open area (white	E INFORMATION) indicates controlled
		I 🐧 .	Offset arrows indicate facility	airspace (Class E)	unless otherwise indicated

ID 107	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANC
IR-126	SURFACE TO FL200	IR-293	100 AGL TO 14000	VR-202	200 AGL TO 800
IR-137	SURFACE TO 13000	IR-308	SURFACE TO 13000	VR-208	200 AGL TO 130
IR-150	SURFACE TO 13000	IR-320	100 AGL TO FL230	VR-209	200 AGL TO 300
IR-177	200 AGL TO FL230	IR-409	300 AGL TO 10000	VR-222	100 AGL TO 150
IR-200	500 AGL TO 12000	IR-414	300 AGL TO 11000	VR-410	500 AGL TO 850
IR-203	8000 TO 12000	IR-415	300 AGL TO 8000	VR-411	500 AGL TO 850
IR-206	500 AGL TO 14000	IR-416	300 AGL TO 12000	VR-413	500 AGL TO 170
IR-207	200 AGL TO 15000	IR-418	100 AGL TO 8000	VR-511	100 AGL TO UNL
IR-234	SURFACE TO 11500	IR-420	100 AGL TO 8000	VR-512	SURFACE TO UNI
IR-235	SURFACE TO 11500	IR-424	300 AGL TO 11000	VR-531	100 AGL TO 100
IR-236	200 AGL TO 14500	IR-425	500 AGL TO 12000	VR-532	100 AGL TO 100
IR-237	500 AGL TO 14000	IR-500	200 AGL TO FL230	VR-533	SURFACE TO 100
IR-238	500 AGL TO 14000	IR-501	200 AGL TO FL230	VR-534	SURFACE TO 100
IR-264	SURFACE TO 17000	IR-504	600 AGL TO 17000	VR-535	SURFACE TO 100
IR-266	400 AGL TO 17000	IR-505	100 AGL TO 10000	VR-536	100 AGL TO 100
IR-275	SURFACE TO FL200	IR-513	500 AGL TO 17000	VR-540	500 AGL TO 100
IR-279	SURFACE TO 12000	IR-526	500 AGL TO 15000	VR-541	500 AGL TO 100
IR-280	100 AGL TO 17000	VR-119	100 AGL TO 10000	VR-544	100 AGL TO 600
IR-281	100 AGL TO 17000	VR-138	100 AGL TO 10000	VR-545	100 AGL TO 600
IR-282	100 AGL TO 17000	VR-152	500 AGL TO 10000	VR-552	500 AGL TO 100
IR-286	SURFACE TO 14000	VR-201	200 AGL TO 12000		

P - PROHIBITED, R - RESTRICTED, A - ALERT, W - WARNING AREAS
CANADA: CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS

MSL unless otherwise indicated
evel
hown are UTC unless otherwise indicated
to Sunset except Canada where it means
before sunrise to 1/2 hr after sunset
ofter sunset to 1/2 hr before sunrise

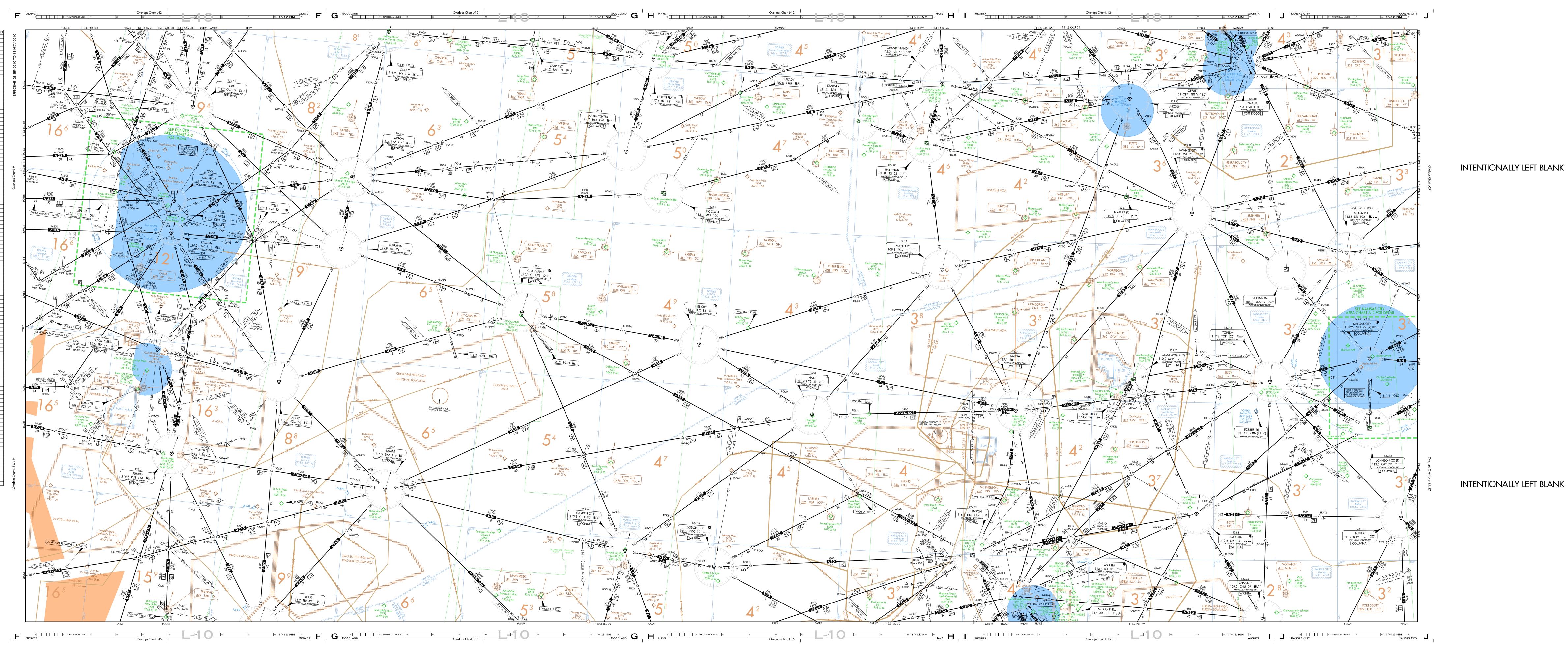
Offer sunset to 1/2 hr before sunrise

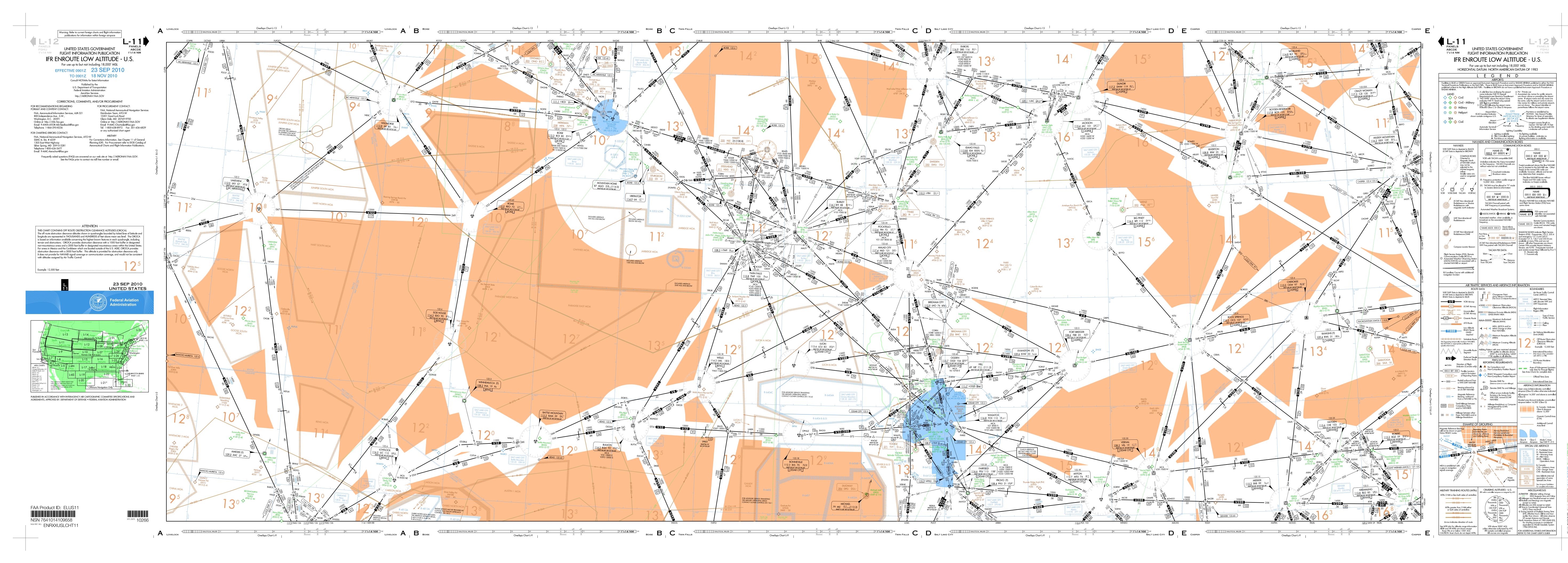
Offer sunset to 1/2 hr before sunrise All altitudes are MSL unless otherwise indicated
FL - Flight Level
Time - Hours shown are UTC unless otherwise indicated
Days - Sunrise to Sunset except Canada where it means
1/2 hr before sunrise to 1/2 hr after sunset
Nights - Sunset to Sunrise except Canada where it means
1/2 hr after sunset to 1/2 hr before sunrise

	EFFECTIVE		TIMES USED, UTC		CONTROLLING AGENCY	
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	1A9
R-2505	Unltd	Cont	Cont	VFR-IFR	FSS/HI-DESERT TRACON	1
R-2530	To 8600	Mon-Fri *1	1600-0200Z‡	VFR-IFR	ZOA CNTR/FSS	<i>A</i>
R-2601A	To But Not Including 12500	Mon-Fri *1	1200-0700Z‡	VFR-IFR	ZDV CNTR/FSS	F
R-2601B	12500 To But Not Including 22500	By NOTAM	By NOTAM	VFR-IFR	ZDV CNTR/FSS	F
R-2602	To 1000 AGL	Cont	Cont	VFR-IFR	ZDV CNTR/FSS	F
R-3601A	*2	Mon-Sat *1	1500-2300Z‡	VFR-IFR	ZKC CNTR/FSS	
R-3602A,B	To 29000	Cont	Cont	VFR-IFR	ZKC CNTR/FSS	
R-4803	*2	Cont *1	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS	1
R-4804A	*2	Cont *1	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS	1
R-4806E	100 AGL To Unltd	Mon-Sat *1	1300-0400Z‡	VFR-IFR	ZLA CNTR/FSS	
R-4806W	Unltd	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	
R-4807A	Unltd	Mon 1400Z‡ To Fri 0300Z‡ *1	Cont	VFR- I FR	ZLA CNTR/FSS	1
R-4807B	Un l td	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	E
R-4808N	Unltd	Cont	Cont	VFR-IFR	No A/G	E
R-4808S	Unltd	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	
R-4809	Unltd	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	
R-4810	To 17000	Cont *1	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS	1
R-4811	To 15000	Mon-Fri	1600-2300Z‡	VFR-IFR	ZOA CNTR/FSS	1
R-4812	*2	Cont *1	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS	1
R-4813A	*2	Cont *1	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS	1
R-4816N	1500 AGL *2	Cont *1	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS	1
R-4816S	500 AGL *2	Cont *1	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS	1
R-6402A	To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	
R-6402B	100 AGL To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	
R-6403	То 9000	Mon-Thur	1500-0300Z‡	VFR-IFR	No A/G	
R-6404A	To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	
R-6404B	To 13000	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	
R-6404C	100 AGL To FL 280	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	
R-6404D	13000 To FL 250	By NOTAM	By NOTAM	VFR-IFR	ZLC CNTR/FSS	
R-6405	100 AGL To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	
R-6406A	To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	
R-6406B	100 AGL To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	
R-6407	To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	
R-6412A	То 9000	By NOTAM	By NOTAM	VFR-IFR	SALT LAKE CITY TRACON	(
R-6412B	9000 To 10000	By NOTAM	By NOTAM	VFR-IFR	SALT LAKE CITY TRACON	
R-6412C	То 9000	By NOTAM	By NOTAM	VFR- I FR	Salt lake city tracon	
R-6412D	9000 To 10000	By NOTAM	By NOTAM	VFR-IFR	SALT LAKE CITY TRACON	
R-6413	Unltd	By NOTAM	By NOTAM	VFR-IFR	ZDV CNTR/FSS	1
A-260	To 17500	Cont	Days	VFR-IFR	No A/G	F
A-481	7000 To 17000	Cont *1	Sunrise-0600Z‡	VFR-IFR	No A/G	E
A-639A	3000 AGL To 12000	Mon-Fri Exc Ho l idays *1	Days	VFR-IFR	No A/G	f
A-639B	3000 AGL To 12000	Mon-Fri Exc Holidays *1	Days	VFR-IFR	No A/G	F
A-683	To 4500	Mon-Fri	1400-0100Z‡	VFR	No A/G	

A-683	To 4500	Mon-Fri	1400-0100Z‡	VFR	No A/G	+
A-003	10 4300	Mon-rri	1400-01002T	VIK	140 A/ G	_
		MILITARY OF	PERATIONS A	ARFAS		
		TILITARY OF		TILLAS		_
	EFFECTIVE		TIMES USED, UTC		CONTROLLING AGENCY	
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	╀
ADA EAST	7000 *2	Mon-Fri Ocn l Sat-Sun	Days By NOTAM	VFR-IFR	ZKC CNTR/FSS	
ADA WEST	7000 *2	Mon-Fri	Days	VFR-IFR	ZKC CNTR/FSS	+
7.67(71201		Ocnl Sat-Sun	Days By NOTAM		2.10 0.111,100	
AIRBURST A	1500 AGL *2	Tue-Sat *1	Days	VFR-IFR	ZDV CNTR/FSS	Ι
AIRBURST B	500 AGL *2	Tue-Sat *1	Days	VFR-IFR	ZDV CNTR/FSS	Τ
AIRBURST C	500 AGL To But	Tue-Sat *1	Days	VFR-IFR	ZDV CNTR/FSS	Т
	Not Including 8500					+
AUSTIN 1	200 AGL *2	Mon-Fri *1	1600-0500Z‡	VFR-IFR	ZLC CNTR/FSS	+
AUSTIN 2	200 AGL *2	Mon-Fri *1	1600-0500Z‡	VFR- I FR	ZLC CNTR/FSS	+
BISHOP	200 AGL *2	Mon-Fri *1	1400-0600Z‡	VFR- I FR	ZLA CNTR/FSS	+
BISON	1000 AGL *2	Mon-Fri And One Wkend	1430-1730Z‡ 1930-2200Z‡	VFR- I FR	ZKC CNTR/FSS	
		per Month *1	1730-22002T			
CARSON	500 AGL *2	Cont *1	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS	Ť
CHEYENNE HIGH	9000 *2	Tue-Sat *1	Days	VFR-IFR	ZDV CNTR/FSS	Ť
CHEYENNE LOW	300 AGL To But	Tue-Sat *1	Days	VFR-IFR	ZDV CNTR/FSS	+
	Not Including 9000		7*			L
CHURCHHILL	9000 *2	Mon-Fri *1	1515-0645Z‡	VFR-IFR	ZOA CNTR/FSS	Т
HIGH	F00 + 01 T 0000	Sat *1	1600-0200Z‡) (ED TEE	70 t Ct 170 (500	+
CHURCHH I LL LOW	500 AGL To 9000	Mon-Fri *1 Sat *1	1515-0645Z‡ 1600-0200Z‡	VFR-IFR	ZOA CNTR/FSS	
DESERT	100 AGL *2	Mon-Sat *1	Days	VFR-IFR	NELLIS CONTROL	+
EUREKA HIGH	6000 *2	Mon-Fri		VFR-IFR	ZKC CNTR/FSS	+
LUKLKATIIGIT	0000 2	Sat-Sun	Days By NOTAM	VI N-II N	ZRC CIVIR/133	
EUREKA LOW	2500 To But Not	Mon-Fri	Days By NOTAM	VFR-IFR	ZKC CNTR/FSS	T
	Including 6000	Sat-Sun				\perp
FOOTHILL 1,2	2000 AGL *2 *3	Intermittent	By NOTAM	VFR-IFR	ZOA CNTR/FSS	\perp
GABBS CENTRAL	100 AGL *2	Cont *1	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS	┸
GABBS N,S	100 AGL *2	Cont *1	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS	
GANDY	100 AGL *2	Mon-Fri *1	1400-0700Z‡	VFR-IFR	ZLC CNTR/FSS	Т
		Sat *1	1500-2400Z‡			+
ISABELLA	200 AGL *2 Excluding 3000 and	Mon-Fri *1	1400-0600Z‡	VFR-IFR	FSS/HI-DESERT TRACON	1
	below Over Domelana					
	Wilderness Area					\perp
LA VETA H I GH	13000 *2	Mon-Fri	1400-2300Z‡	VFR-IFR	ZDV CNTR/FSS	
LA VETA LOW	1500 ACLT D (N)	Exc Holidays *1	D. MOTALL	\/FD FD	ZDV Chitp /ECC	╀
LA VEIA LOW	1500 AGL To But Not Including 13000	Intermittent	By NOTAM	VFR-IFR	ZDV CNTR/FSS	1
LEMOORE C	16000 *2	Mon-Thur *1	1600-07007#	VFR-IFR	ZOA CNTR/FSS	+
LEMOORE C	10000 2	Fri *1	1600-0700Z‡ 1600-0200Z‡	1110	20/10/110/100	1
		1 Sat Per Month *1	1800-0200Z‡			1
	5000 40	1 Sun Per Month*1	2100-0500Z‡) (ED 150	WO L CLUMP (1990	╀
LEMOORE E	5000 *2	Mon-Thur *1 Fri *1	1600-0700Z‡ 1600-0200Z‡	VFR-IFR	ZOA CNTR/FSS	
		1 Sat Per Month *1	1800-0200Z‡			
		1 Sun Per Month*1	2100-0500Z‡			┸
LINCOLN	8000 *2	Tue-Sun *1	1500-2200Z‡	VFR-IFR	ZMP CNTR/FSS	Ι
LUC I N A	100 AGL To 9000	Mon-Fri *1	1400-0700Z‡	VFR-IFR	ZLC CNTR/FSS	Т
		Sat *1	1500-2400Z‡	1.000 100	TI C C) TT (TCC	+
LUC I N C	100 AGL To 6500	Mon-Fri *1 Sat *1	1400-0700Z‡ 1500-2400Z‡	VFR-IFR	ZLC CNTR/FSS	
OWENS	200 AGL *2 *3	Mon-Fri *1	1400-0600Z‡	VFR-IFR	FSS/HI-DESERT TRACON	+
PANAMINT	200 AGL *2	Mon-Fri *1	1400-0600Z†	VFR-IFR	FSS/HI-DESERT TRACON	+
PINON CANYON	100 AGL To 10000	Intermittent	By NOTAM	VFR-IFR	ZDV CNTR/FSS	+
PORTERVILLE	2000 AGL *2	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	+
RANCH	500 AGL 70 9000	Mon-Fri *1	1515-0645Z‡	VFR-IFR VFR-IFR	ZOA CNTR/FSS	+
KAINCH	300 AGL 10 7000	Sat *1	1600-0200Z‡	VENTIER	ZOA CINIK/133	
RANCH HIGH	9000 To 13000	Mon-Fri *1	1515-0645Z‡	VFR-IFR	ZOA CNTR/FSS	T
		Sat *1	1600-0200Z‡			⊥
RENO	13000 *2	Mon-Fri *1	1600-0200Z‡	VFR-IFR	ZOA CNTR/FSS	Ţ
REVEILLE NORTH	100 AGL *2	Mon-Fri *1	1400-0400Z‡	VFR-IFR	ZLC CNTR/FSS	Ţ
REVEILLE SOUTH	100 AGL *2	Mon-Fri *1	1400-0400Z‡	VFR-IFR	ZLC CNTR/FSS	Γ
RILEY	7000 *2	Intermittent	By NOTAM	VFR-IFR	ZKC CNTR/FSS	Ι
SALINE	200 AGL *2 *3	Mon-Fri *1	1400-0600Z‡	VFR-IFR	FSS/HI-DESERT TRACON	ľ
SEVIER A	100 AGL To 14500	Mon-Fri *1	1400-0700Z‡	VFR-IFR	ZLC CNTR/FSS	Γ
CENTED D	100 401 7 0500	Sat *1	1500-2400Z‡	\/F0.150	71.C.C. 270./200	+
SEVIER B	100 AGL To 9500	Mon-Fri *1	1400-0700Z‡	VFR-IFR	ZLC CNTR/FSS	1

| NAME | D | PAINT | NAME | D |





MI	LITARY	TRAINING ROUT	ES	
ALTITUDE RANGE	NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RA
200 AGL TO 15000	IR-305	100 AGL TO 14000	IR-509	100 AGL TO
SURFACE TO 11500	IR-313	100 AGL TO 15000	IR-514	100 AGL TO
SURFACE TO 11500	IR-342	500 AGL TO FL230	IR-518	SURFACE TO
SURFACE TO 17000	IR-416	300 AGL TO 12000	IR-613	100 AGL TO
SURFACE TO FL200	IR-418	100 AGL TO 8000	VR-202	200 AGL TO

ARTCC three letter idents: Albuquerque ZAB, Atlanta ZTL, Boston ZBW, Chicago ZAU, Cleveland ZOB, Denver ZDV
Fort Worth ZFW, Houston ZHU, Indianapolis ZID, Jacksonville ZJX, Kansas City ZKC, Los Angeles ZLA, Memphis ZME
Miami ZMA, Minneapolis ZMP, New York ZNY, Oakland ZOA, Salt Lake City ZLC, Seattle ZSE, Washington ZDC
P - PROHIBITED, R - RESTRICTED, A - ALERT, W - WARNING AREAS

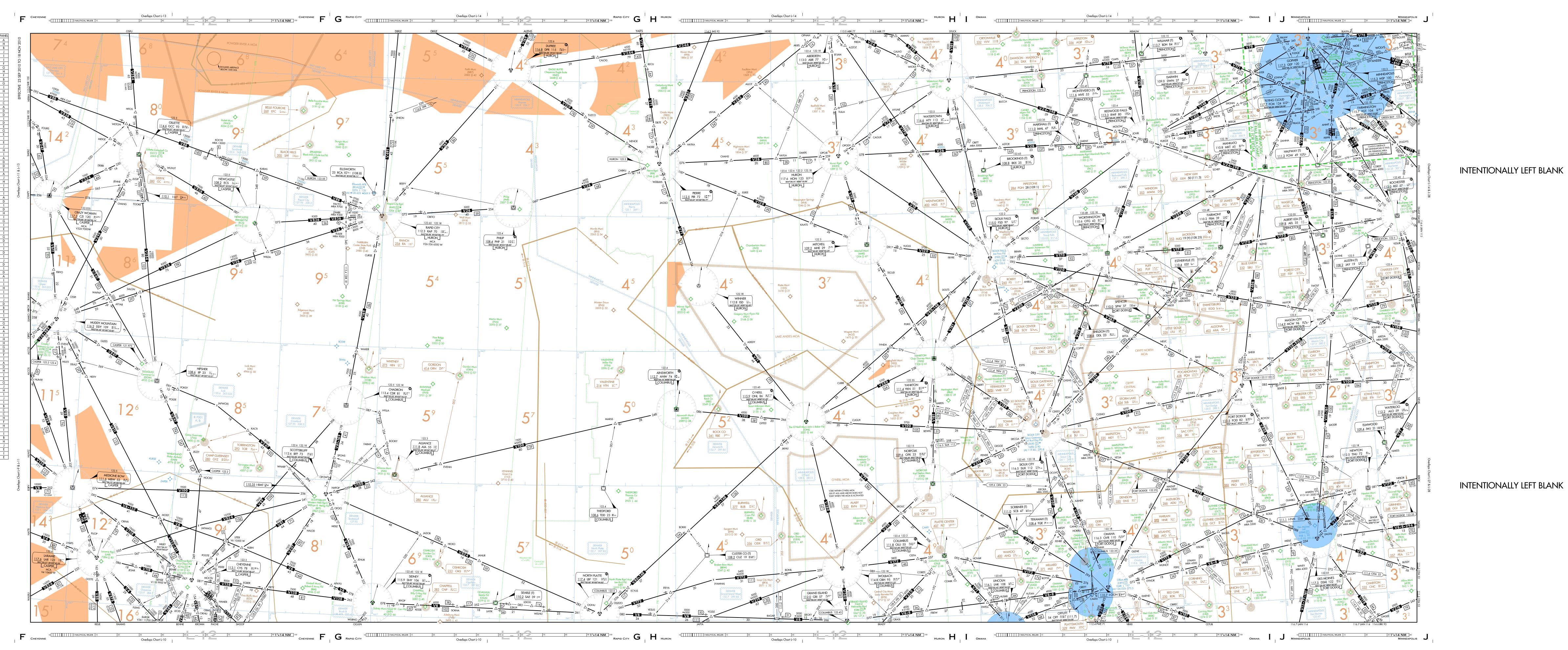
(ANADA: CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS

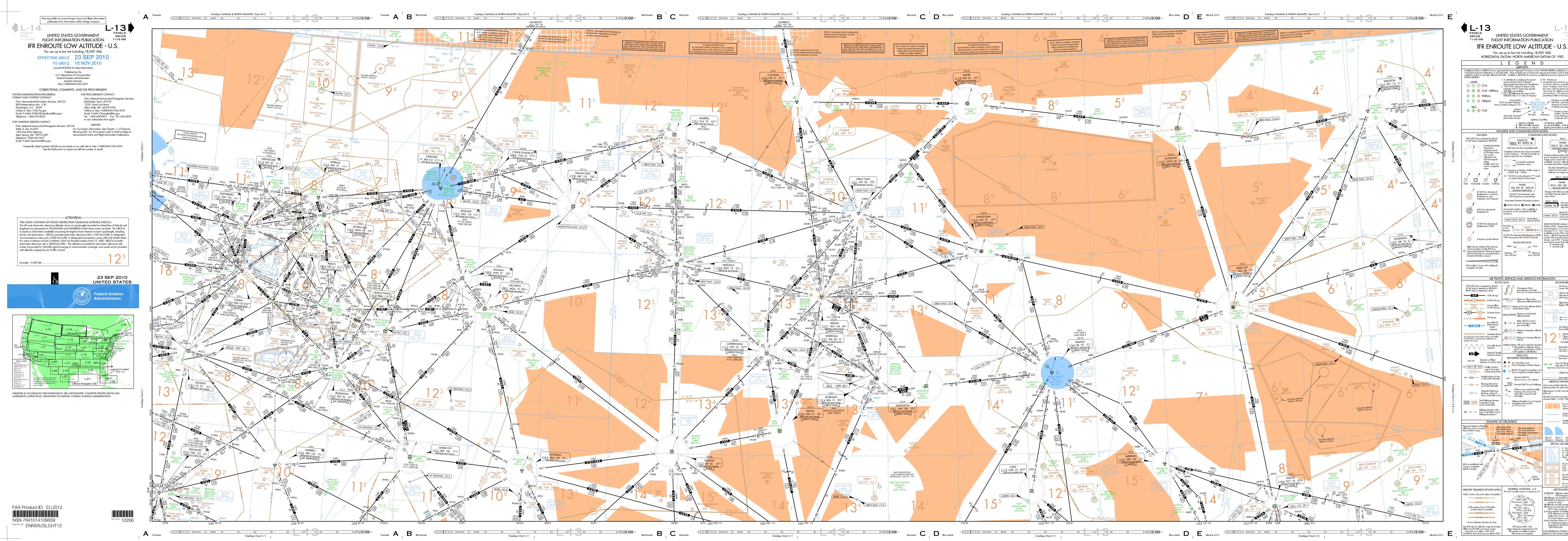
All altitudes are MSL unless otherwise indicated
FL - Flight Level - Fluors shown are UTC unless otherwise indicated
Days - Sunrise to Sunset except Canada where it means
1/2 hr ofter sunset to 1/2 hr before sunrise to 1/2 hr before sunrise
1/2 hr ofter sunset to 1/2 hr before sunrise
1/2 hr ofter sunset to 1/2 hr before sunrise
1/2 hr ofter sunset to 1/2 hr before sunrise
1/2 hr ofter sunset to 1/2 hr before sunrise
1/2 hr ofter sunset to 1/2 hr before sunrise

_	EFFECTIVE		TIMES USED, UTC	Ť	CONTROLLING AGENCY	
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	R A/G CALL	
R-2530	To 8600	Mon-Fri *1	1600-0200Z‡	VFR-IFR	ZOA CNTR/FSS	Α
R-3202 LOW	*2	Mon-Fri *1	1430-0500Z‡	VFR-IFR	ZLC CNTR/FSS	В,0
R-3203A	To 15000	By NOTAM	By NOTAM	VFR-IFR	ZLC CNTR/FSS	В
R-3203B	15000 To 22000	By NOTAM	By NOTAM	VFR-IFR	ZLC CNTR/FSS	В
R-3203C	To 6000	By NOTAM	By NOTAM	VFR-IFR	ZLC CNTR/FSS	В
R-3203D	To 22000	By NOTAM	By NOTAM	VFR-IFR	BOISE ATCT	В
R-3204A	To 100 AGL	Mon-Fri *1	1430-0500Z‡	VFR-IFR	ZLC CNTR/FSS	С
R-3204B	100 AGL *2	Mon-Fri *1	1430-0500Z‡	VFR-IFR	ZLC CNTR/FSS	С
R-4813A	*2	Cont	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS	A,i
R-4816N	1500 AGL *2	Cont	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS	В
R-6402A	To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	С
R-6402B	100 AGL To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	С
R-6403	To 9000	Mon-Thur	1500-0300Z‡	VFR-IFR	No A/G	С
R-6404A	To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	С
R-6404B	To 13000	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	С
R-6404C	100 AGL To FL 280	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	С
R-6404D	13000 To FL 250	By NOTAM	By NOTAM	VFR-IFR	ZLC CNTR/FSS	С
R-6405	100 AGL To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	С
R-6406A	To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	С
R-6406B	100 AGL To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	С
R-6407	To FL 580	Cont	Cont	VFR-IFR	ZLC CNTR/FSS	С
R-6412A	To 9000	By NOTAM	By NOTAM	VFR-IFR	SALT LAKE CITY TRACON	D
R-6412B	9000 To 10000	By NOTAM	By NOTAM	VFR-IFR	SALT LAKE CITY TRACON	D
R-6412C	To 9000	By NOTAM	By NOTAM	VFR-IFR	SALT LAKE CITY TRACON	D
R-6412D	9000 To 10000	By NOTAM	By NOTAM	VFR-IFR	SALT LAKE CITY TRACON	D
R-7001A	To But Not Including 8000	Intermittent	By NOTAM	VFR-IFR	ZDV CNTR/FSS	F
R-7001B	8000 To 23500	ntermittent	By NOTAM	VFR-IFR	ZDV CNTR/FSS	F

R-7001A	To But Not Including 8000	Intermittent	By NOTAM	VFR-IFR	ZDV CNTR/FSS
R-7001B	8000 To 23500	Intermittent	By NOTAM	VFR-IFR	ZDV CNTR/FSS
	N	IILITARY O	PERATIONS AF	REAS	
	EFFECTIVE		TIMES USED, UTC		CONTROLLING AGENCY
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL
AUSTIN 1	200 AGL *2	Mon-Fri *1	1600-0500Z‡	VFR-IFR	ZLC CNTR/FSS
CARSON	500 AGL *2	Cont *1	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS
CHINA	3000 AGL *2	Cont	1600Z‡-Sunset	VFR-IFR	ZOA CNTR/FSS
CRYPT CENTRAL, NORTH, SOUTH	8000 *2	Tue-Sat *1	1530-1700Z‡ 2000-2130Z‡	VFR-IFR	ZMP CNTR/FSS
GABBS NORTH	100 AGL *2	Cont *1	1515-0730Z‡	VFR-IFR	ZOA CNTR/FSS
GANDY	100 AGL *2	Mon-Frii *1 Sat *1	1400-0700Z‡ 1500-2400Z‡	VFR-IFR	ZLC CNTR/FSS
GOOSE NORTH	3000 AGL *2	Mon-Fri *1	1500-0300Z‡	VFR-IFR	ZSE CNTR/FSS
GOOSE SOUTH	10000 *2 Not Lower Than 3000 AGL	Mon-Fri *1	1500-0300Z‡	VFR-IFR	ZSE CNTR/FSS
HART NORTH	11000 *2	Intermittent	By NOTAM	VFR-IFR	ZSE CNTR/FSS
HART SOUTH	11000 *2	Intermittent	By NOTAM	VFR-IFR	ZSE CNTR/FSS
JARBIDGE	100 AGL *2	Mon-Fri *1	1430-0500Z‡	VFR-IFR	ZLC CNTR/FSS
JUN I PER LOW	300 AGL To But Not Including 11000	By NOTAM	By NOTAM	VFR-IFR	ZSE CNTR/FSS
JUNIPER NORTH	11000 *2	Intermittent	By NOTAM	VFR-IFR	ZSE CNTR/FSS
JUNIPER SOUTH	11000 *2	Intermittent	By NOTAM	VFR-IFR	ZSE CNTR/FSS
LAKE ANDES	6000 *2	Tue-Sat *1	1500-1800Z‡ 2000-2300Z‡	VFR-IFR	ZMP CNTR/FSS
LUC I N A	100 AGL To 9000	Mon-Fri *1 Sat *1	1400-0700Z‡ 1500-2400Z‡	VFR-IFR	ZLC CNTR/FSS
LUC I N B	100 AGL To 7500	Mon-Fri *1 Sat *1	1400-0700Z‡ 1500-2400Z‡	VFR-IFR	ZLC CNTR/FSS
LUC I N C	100 AGL To 6500	Mon-Frii *1 Sat *1	1400-0700Z‡ 1500-2400Z‡	VFR-IFR	ZLC CNTR/FSS
O'NEILL	500 AGL *2	Tue-Sat *1	1530-1745Z‡	VFR-IFR	ZMP CNTR/FSS

OWYHEE 100 AGL "2 Mon-Fri "1 1430-05002" VFR-HR ZLC CNHK/FS:
PARADISE EAST 14500 "2 Mon-Fri "1 1530-06002" VFR-HR ZLC CNHK/FS:
PARADISE WEST 14500 "2 Mon-Fri "1 1530-06002" VFR-HR ZLC CNHK/FS:
POWDER RIVER A "2 Mon-Fri "1 1500-01002" VFR-HR ZLC CNHK/FS:
POWDER RIVER B 100 AGL "2 Intermittent By NOTAM VFR-HR ZDV CNHK/FS:
RENO 13000 "2 Mon-Fri "1 1600-02002" VFR-HR ZDV CNHK/FS:
SADDLE A 10000 "2 Intermittent By NOTAM VFR-HR ZLC CNHK/FS:
SADDLE B 8000 "2 Intermittent By NOTAM VFR-HR ZLC CNHK/FS:
SEVER B 100 AGL TO 9500 Mon-Fri "1 1400-07002" VFR-HR ZLC CNHK/FS:
SEVER D 9500 "2 By NOTAM VFR-HR ZLC CNHK/FS:
SEVER D 9500 "2 By NOTAM VFR-HR ZLC CNHK/FS:





IFR ENROUTE LOW ALTITUDE - U.S.

Automated Weather Broadcast Systems:

ASOS/AWOS HIWAS TWEB

O00.0 000.0

NAME IDT

AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION
BOUNDARIES LF/MF Airway *0000 *0000 Minimum Obstruction *0000 Clearance Altitude (MOCA

MILITARY TRAINING ROUTES								
NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE			
IR-301	100 AGL TO 13000	IR-341	500 AGL TO FL230	IR-492	100 AGL TO FL220			
IR-304	100 AGL TO 17000	IR-342	500 AGL TO FL230	IR-499	100 AGL TO FL 200			
IR-307	100 AGL TO 13000	IR-343	500 AGL TO FL230	IR-605	200 AGL TO 6000			
IR-324	300 AGL TO 6000	IR-344	200 AGL TO 17000	IR-606	200 AGL TO 6000			
IR-325	300 AGL TO 6000	IR-346	200 AGL TO FL290	IR-609	200 AGL TO 17000			
IR-326	300 AGL TO 5000	IR-348	500 AGL TO 13000	IR-644	200 AGL TO FL240			
IR-327	300 AGL TO 7000	IR-473	100 AGL TO FL200	IR-649	200 AGL TO 15000			
IR-328	300 AGL TO 7000	IR-479	SURFACE TO 17000	IR-678	200 AGL TO 10000			
IR-329	300 AGL TO 6000	IR-480	SURFACE TO 16000	VR-604	200 AGL TO 10000			
IR-330	300 AGL TO 5000	IR-485	100 AGL TO 16000	VR-607	200 AGL TO 10000			

ARTCC three letter idents: Albuquerque ZAB, Atlanta ZTL, Boston ZBW, Chicago ZAU, Cleveland ZOB, Denver ZDV Fort Worth ZFW, Houston ZHU, Indianopolis ZID, Jacksonville ZJX, Kansas City ZKC, Los Angeles ZLA, Memphis ZME Miami ZMA, Minneapolis ZMP, New York ZNY, Oakland ZOA, Salt Lake City ZLC, Seattle ZSE, Washington ZDC P - PROHIBITED, R - RESTRICTED, A - ALIERT, W - WARNING AREAS CANADA. CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS titudas are MSI values at housing indicated.

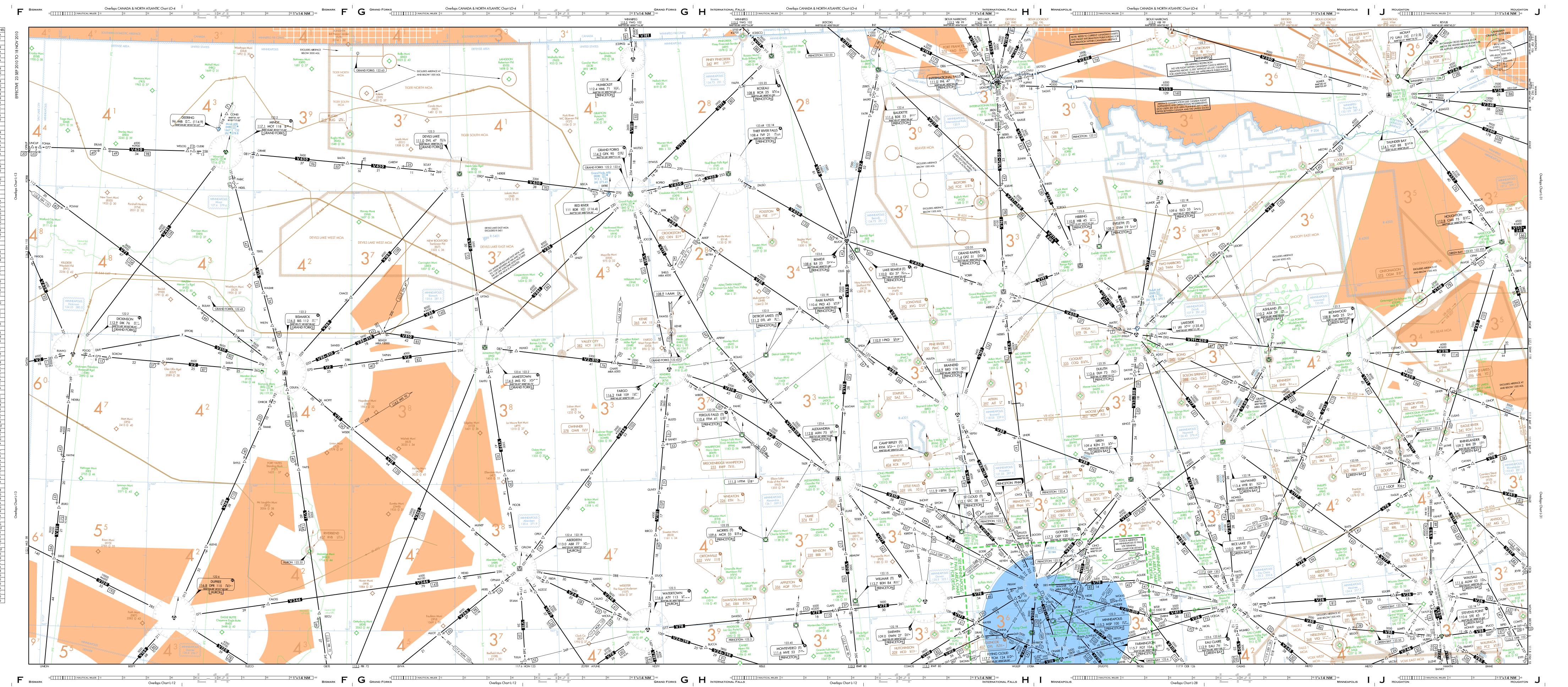
All altitudes are MSL unless otherwise indicated
FL - Flight Level + During periods of Doylight Saving Time (DT)
Time - Hours shown are UTC unless otherwise indicated
Days - Sunsite to Sunset except Canada where it means
1/2 hr before sunrise to 1/2 hr after sunset
Nights - Sunset to Sunrise except Canada where it means
1/2 hr after sunset to 1/2 hr before sunrise

Cont - Continuous: 24 hrs a day, 7 days a week
+ During periods of Doylight Saving Time (DT)
effective hours will be one hour earlier than shown.
NOTAM - Use of this term in Restricted Areas indicates FAA And
DoD NOTAM systems. Use of this term in all other
Special Use areas indicates the DoD NOTAM system.

MILITARY OPERATIONS AREAS

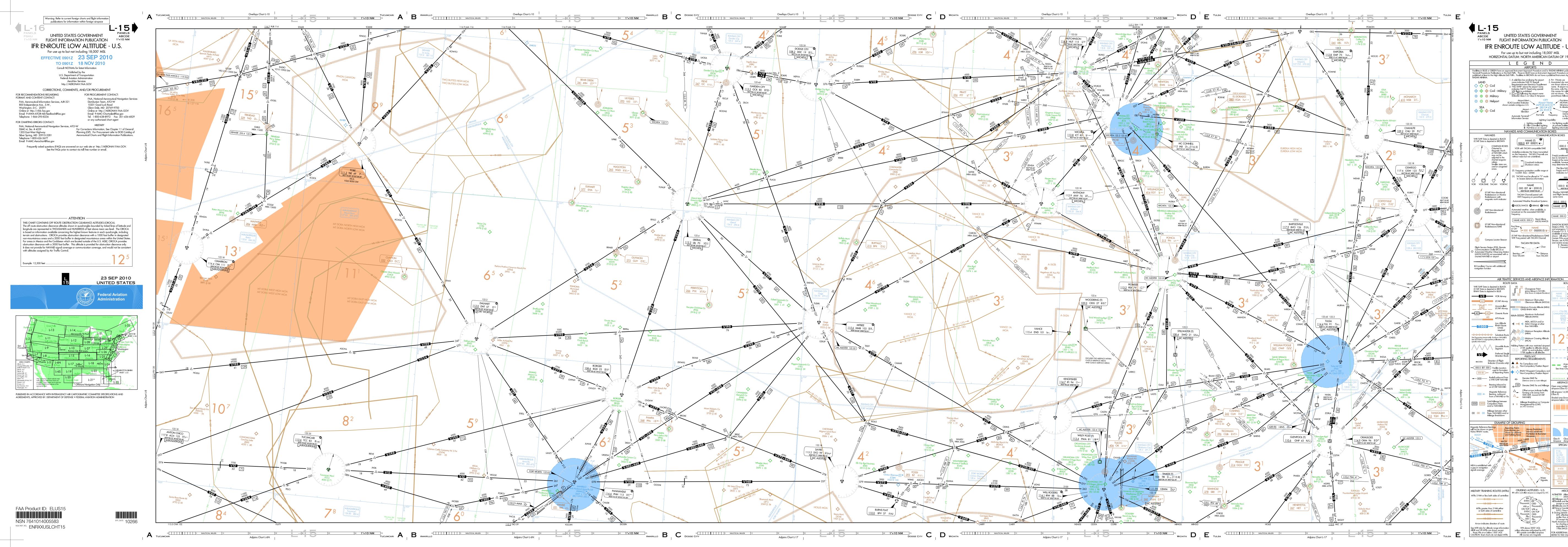
		MILITARY C	PERATIONS A	REAS		ıcı I						
	EFFECTIVE		TIMES USED, UTC		CONTROLLING AGENCY							
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	PANEL						
BEAVER	300 AGL To But Not Including 18000	Cont	1300-0400Z‡ By NOTAM	VFR-IFR	ZMP CNTR/FSS	Н						
BIG BEAR	500 AGL *2	Cont *1	Eastern Time Zone 1300-2300Z‡ Central Time Zone 1400-2400Z‡	VFR-IFR	ZMP CNTR/FSS	J						
BOARDMAN	4000 *2	Mon-Fri *1	1530-0759Z‡	VFR-IFR	ZSE CNTR/FSS	Α						
DEVILS LAKE EAST	3500 *2	Intermittent	By NOTAM	VFR-IFR	ZMP CNTR/FSS	G						
DEVILS LAKE WEST	4000 *2	Intermittent	By NOTAM	VFR-IFR	ZMP CNTR/FSS	F,G						
FALLS 1	500 AGL *2	Intermittent Tue-Sat *1	By NOTAM 1400-2200Z‡	VFR-IFR	ZMP CNTR/FSS	1						
FALLS 2	500 AGL *2	Intermittent Tue-Sat *1	By NOTAM 1400-2200Z‡	VFR-IFR	ZMP CNTR/FSS	۱٫J						
HAYS	300 AGL *2	Intermittent	By NOTAM	VFR-IFR	ZLC CNTR/FSS	D						
OKANOGAN A	9000 *2	Intermittent	By NOTAM	VFR-IFR	ZSE CNTR/FSS	Α						
OKANOGAN B,C	300 AGL To But Not Including 9000	Intermittent	By NOTAM	VFR-IFR	ZSE CNTR/FSS	Α						
ONTONAGON	500 AGL *2	Cont *1	1300-2300Z‡	VFR-IFR	ZMP CNTR/FSS	L,I						
POWDER RIVER A	*2	Mon-Fri *1	1500-0100Z‡	VFR-IFR	ZLC CNTR/FSS	E						
POWDER RIVER B	1000 AGL *2	Intermittent	By NOTAM	VFR-IFR	ZDV CNTR/FSS	E						
ROOSEVELT A	9000 *2	Intermittent	By NOTAM	VFR-IFR	ZSE CNTR/FSS	A,B						
ROOSEVELT B	300 AGL To But Not Including 9000	Intermittent	By NOTAM	VFR-IFR	ZSE CNTR/FSS	A,B						
SNOOPY EAST	300 AGL *2	By NOTAM Normally Mon-Sat	Intermittently 1400-0400Z‡	VFR-IFR	ZMP CNTR/FSS	1						
SNOOPY WEST	6000 *2	By NOTAM Normally Mon-Sat	Intermittently 1 400-0400Z‡	VFR-IFR	ZMP CNTR/FSS	-						
TIGER NORTH	300 AGL *2	Intermittent	By NOTAM	VFR-IFR	ZMP CNTR/FSS	F,G						
TIGER SOUTH	6000 *2	Intermittent	By NOTAM	VFR-IFR	ZMP CNTR/FSS	F,G						
VOLK EAST	8000 *2	Intermittent Tue-Sat *1	By NOTAM 1400-2200Z‡	VFR-IFR	ZMP CNTR/FSS	J						
VOLK WEST	100 AGL *2	Intermittent Tue-Sat *1	By NOTAM 1400-2200Z‡	VFR-IFR	ZMP CNTR/FSS	ارا						

NAME Aberdeen Rgnl	ABR	PANEL G	NAME Frank Wiley Fld	MLS	PANEL E	NAME Omak	ID OMK	PANEL	010
Airlake Aitkin Muni-Steve Kurt Amery Muni	z AIT AHH	H	Frontier Gallatin Fld Gardiner	CJM5 BZN 29S	D C C	Ontonagon Co Orr Rgnl Ortonville Muni	OGM ORB VVV	J I H	5
Anderson Fld Anoka Co-Blaine Arpt	S97	A	Garrison Muni Geraldine	DØ5 5U8	F D	Othello Muni Oxbow Pvt	S7Ø OR12	A B	DEPENDINE 23 SEP 2010 OT 0108 NOV 2010
Appleton Muni	64OG AQP	Н	Gettysburg Muni Gillette-Campbell Co	ØD8 GCC	G E	Pangborn Mem Park Falls Muni	PKF	A I	T 0100
Ashley Muni Atikokan Muni B&G Farms Pvt	ASY CYIB 4WA0	G I A	Glacier Park Intl Glasgow Industrial Pvt Glen Ullin Ranl	GPI 107MT D57	C D F	Park Rapids Muni Park River Parshall-Hankins	PKD Y37 Y74	H G F	2 SED
Bagley Muni Baker City Muni	7Y4 BKE	H B	Glencoe Muni Glenwood Muni	GYL GHW	H	Paynesville Muni Pembina Muni	PEX PMB	H G	Ϊ/F 2
Baker Muni Barnes Co Muni	BHK	E G	Gogebic-Iron Co Goldendale	S2Ø	I A	Perham Muni Pine River Rgnl	16D PWC	H	
Baudette Intl Beach Belle Creek	BDE 2ØU 3V7	H E E	Gopher Gulch Pvt Grand Coulee Dam Grand Forks	OR29 3W7 CZGF	A A A	Piney Pinecreek Bord Plains Polson	S34 8S1	H B C	_
Belle Creek Belle Fourche Muni Bemidji Rgnl	EFC BJI	E	Grand Forks AFB Grand Forks Intl	RDR GFK	G G	Poplar Muni Port of Whitman Bus	PO1	E B	
Benchmark Bend Muni	3U7 BDN	C A	Grand Marais/Cook Grand Rapids/Itasca	CKC	I H	Powell Muni Prentice	POY 5N2	D I	
Benson Muni Bert Mooney	BBB BTM	H C	Granite Falls Muni Grant Co Intl	GDB MWH	H A	Price Co Princeton Muni	PBH PNM	H	
Beulah Big Muddy Ranch Pvt	95D 2OR1 3U8	F A D	Grant Co Rgnl Grantsburg Muni Great Falls Intl	GCD GTG GTF	A I C	Prineville Prosser Pru Fld	\$39 \$40 33\$	A A A	
Big Sandy Big Sky Fld Big Timber	S85 6SØ	E D	Gwinner-R Melroe Hallock Muni	GWR HCO	G G	Pullman/Moscow Quincy Muni	PUW 8ØT	B A	
Bigfork Muni Billings Logan Intl	FOZ BIL	H D	Hamry Fld Harding Co	K74 9D2	G E	Range Rgnl Ravalli Co	HIB 6S5	I	
Bismarck Muni Bison Muni	BIS 6V5	F F	Harlem Harry Stern	48S BWP	D H	Ray S Miller AAF Red Lodge	RYM RED	H D	
Black Hills-Clyde Ice Boardman	SPF M5Ø	E A	Harvey Muni Havre City-Co	5H4 HVR	G D	Red Wing Rgnl Redfield Muni	RGK 1D8	G	Overlaps Chart L-13
Bottineau Muni Boundary Co Bowers Fld	DØ9 65S ELN	F B A	Hawley Muni Hector Intl Helena Ranl	Ø4Y FAR HLN	H G C	Rhinelander-Oneida Rice Lake Rgnl-Carl's Richard B Helgeson	RHI RPD TWM	J I	aps Ch
Bowman Fld Bowman Muni	3U3 BPP	C E	Hermiston Muni Hettinger Muni	HRI	A F	Richard I Bong Richland	SUW	I	Over
Boyceville Muni Brainerd Lakes Rgnl	3T3 BRD	l H	Hillsboro Muni Houghton Co Mem	3H4 CMX	G J	Riddick Fld Roberts Fld	UØ5 RDM	C A	
Bridger Muni Britton Muni	6S1 BTN	D G	Hoven Muni Hulett Muni	9F8 W43	G E	Robertson Fld Rolette	D55 2H9	G G	
Broadus Brooten Muni Buffalo Muni	ØØF 6D1 CFE	E H H	Hutchinson Muni Hutson Fld Idaho Co	HCD GAF S8Ø	H G B	Rolla Muni Ronan Roseau Muni/Rudy	06D 7S0 ROX	G C H	
Burnett Co	RZN 97MT	I B	Intl Peace Garden Ione Muni	S28 S23	F B	Roundup Rugby Muni	RPX RUG	D F	
	96OR 3CU	A	Isedor Iverson Jamestown Rgnl	HZX JMS	H G	Rush City Rgnl Rusk Co	ROS RCX	1	
Cambridge Muni Cando Muni	CBG 9D7	I G	John F Kennedy Mem Johnson Co	BYG	I D	Sand Canyon Sandpoint	1S9 SZT	B B	
Cardston Carrington Muni Carson Fld Pvt	CEA6 46D MT53	C G B	Jordan Joseph State	JDN JSY S27	D B C	Sauk Centre Muni Sawyer Co Scobey	D39 HYR 9S2	H I E	
Cascade Casselton Robert Mille	U7Ø	B G	Kalispell City Ken Jernstedt Arfld Kenmare Muni	4S2 7K5	A F	Shellby Shell Lake Muni	SBX SSQ	C	
Cavalier Muni	2C8 CWA	G	Kings Land O' Lakes L M Clayton	LNL	J	Sheridan Co Sher-Wood	SHR PWD	D E	
Challis Chandler Fld	LU AXN	B H	L O Simenstad Muni La Grande/Union Co		I A	Shoshone Co Sidney-Richland Mur		B E	
Chetek Muni Cheyenne Eagle Butte		F	La Moure Rott Muni Lac Qui Parle Co	DXX	G H	Silver Bay Muni Sisseton Muni	BFW 8D3	G	
Chippewa Valley Rgnl Choteau Circle Town Co	CII 4U6	C E	Lake Chelan Lake Elmo Lakeland/Noble F Lee	\$10 21D	A I J	Sky Harbor Sky Ranch Pvt Sloulin Fld Intl	DYT SD33 ISN	E E	
Clark Co Clintonville Muni	8D7 CLI	G J	Lakeside Pvt Lakota Muni	MTØ3 5LØ	C G	Solon Springs Muni South Big Horn Co	OLG GEY	I D	
Cloquet Carlton Co Coeur d'Alene	COQ COE	I B	Langlade Co Laurel Muni	AIG 6S8	J D	South St Paul Muni Spokane Intl	SGS GEG	I B	
Columbia Crest Pvt Columbia Gorge Rgnl	M46 WA76	D A A	Leeds Muni Lemhi Co	D31 SMN LEM	G C F	St Cloud Rgnl St Maries Muni St Paul Holman	STC S72 STP	H B I	
Condon State Pauling		Α	Lemmon Muni Lewiston-Nez Perce Lewistown Muni	LWS	B D	Standing Rock Stanford	Y27 S64	F D	
Conrad Cook Muni	SØ1 CQM	C	Lexington Libby	9S9 S59	A B	Stanley Muni Staples Muni	Ø8D SAZ	F H	
Cooperstown Muni Cottonwood Muni	S32 S84	G B	Liberty Co Lincoln	LTY S69	C	Starr-Browning Airst	STE	C	
Council Muni Crandon/Conway Mu Creston/Art Sutcliffe	U82 ni Y55 CAJ3	B 5 J B	Lind Linton Muni Lisbon Muni	ØSØ 7L2 6L3	A F G	Stevensville Stillwater Creek Pvt Sturgis Muni	32S Ø4WN 49B	C I A E	
Crookston Muni Crosby Muni	CKN D5Ø	G E F	Litchfield Muni Little Falls/Morrison	LXL	H	Sunnyside Muni Taylor Co	1S5 MDZ	A	
	MIC Ø1MT	I B	Longville Muni Madeline Island	XVG 4R5	H I	Terry The Sigurd Anderson		E G	
Cumberland Muni Cut Bank Muni	CTB	C	Madras Muni Mahnomen Co	\$33 3N8	A H	Thief River Falls Rgnl Thompson Falls	THM	H B C	
Dawson Community Deer Lodge-City-Co Deer Park	38S DEW	E C B	Malta Mandan Muni Manitowish Waters	M75 Y19 D25	D F J	Three Forks Thunder Bay Tilli# Fld	9S5 CYQT 1S3	J	
Dell Flight Strip Desert Aire	4U9 M94	C A	Maple Lake Muni Marshfield Muni	MGG MFI	H	Tioga Muni Todd Fld	D6Ø	E F H	
Detroit Lakes-Wething Devils Lake Rgnl	DVL	H G	Martin Fld Mayville Muni	S95 D56	A G	Tomahawk Rgnl Tomlinson Fld	TKV 8J7	J G	
Dickinson-T Roosevelt Dillon Dorothy Scott	DIK DLN ØS7	F C A	Mc Call Muni Mc Laughlin Muni Menomonie Muni	MYL 5P2 LUM	B F I	Tonasket Muni Tower Muni Townsend	12D 8U8	A I C	
	OG21 DLH		Mercer Co Rgnl Merrill Muni	HZE RRL	F J	Trail Tri-Cities	CAD4 PSC		
Eagle River Union Eastern Oregon Rgnl	EGV PDT	J A	Methow Valley State Milbank Muni	S52 1D1	A H	Troy Turner	57S 9UØ	B D	
Edgar G Obie Edgeley Muni	571 51D	D G	Mineral Co Minneapolis-St Paul	9S4 MSP	B I	Twin Bridges Vagabond AHP	7S1 FCT	C A	
Ekalaka Elbow Lake-Pride Ellendale Muni	97M Y63 4E7	E H G	Minnesuing Pvt Minot AFB Minot Intl	MIB MOT	F F	Vista Fld Voyager Village Pvt Wadena Muni	S98 9WN2 ADC	A ! I H	
	WN54 ELO		Mission Fld Missoula Intl	LVM	C	Walhalla Muni Walker Muni	96D Y49	G H	# L-13
Ennis-Big Sky Ephrata Muni	EKS EPH	C A	Mobridge Muni Mohall Muni	MBG HBC	F F	Walla Walla Rgnl Warren Muni	ALW D37	A G	Overlaps Chart L-13
Eureka Eureka Muni	3W8	B G	Montevideo-Chippewo Moorhead Muni	JKJ	H G	Warroad Intl Mem Wasco State	RRT 35S	H A	Overla
Eveleth-Virginia Muni Fairchild AFB Fairfield	SKA 5U5	B C	Moose Lake Carlton Mora Muni	MZH JMR MOX	I I H	Washburn Muni Watertown Rgnl	5C8 ATY S25	F G E F	
Fairgrounds Arpk Faith Muni	FØ2 DØ7	D F	Morris Muni Mort's Landing Pvt Mott Muni	ØWI1 3P3	I F	Watford City Muni Waupaca Muni Wausau Downtown	PCZ AUW	J	
Falls Intl Faulkton Muni	INL 3FU	H G	Myers Fld Napoleon Muni	CNB 5B5	H G	West Fargo Muni Westhope Muni	D54 D64	G F	
Felts Fld Fergus Falls Muni	SFF FFM	B H	Nary National Neillsville Muni	5C3 VIQ	H	Weydahl Fld Wheatland Co	9Y1 HWQ	E F	
Ferry Co Fertile Muni Field of Dreams	R49 D14 Ø4W	A H I	New Richmond Rgnl New Town Muni Norman Co Ada	85D DØØ	F H	Wheaton Muni White Sulphur Spring Wilbur	ETH gs 7S6 2S8	H C A	
Flying Cloud Flying Joseph Pvt	FCM ØID2	H C	North Big Horn Co Northwood Muni	U68 4V4	D G	Willmar Muni-John L Wishek Muni		H G	
Fort Belknap Agency Fort Benton	UØ9 79S	D C	Northwoods Pvt Oakes Muni	72MI 2D5	J G	Wokal Fld/Glasgow Woltermann Mem	GGW 6S3	D D	
Fort Harrison AAF	CYAG MT15	С	Odessa Muni	6WA4 43D	A	Yakima Air Terminal Yellowstone	WYS	A C	
Fort Smith Landing Fosston Muni	5U7 FSE	D H	Okanogan Legion Olivia Rgnl	S35 OVL	A H	Yellowstone Rgnl Zortman Pvt	COD MTØ8	D D	



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IFR ENROUTE LOW ALTITUDE - U.S.

For use up to but not including 18,000' MSL HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

Automated Weather Broadcast Systems:

ASOS/AWOS THIWAS TWEB

ASOS/AWOS THIWAS TWEB

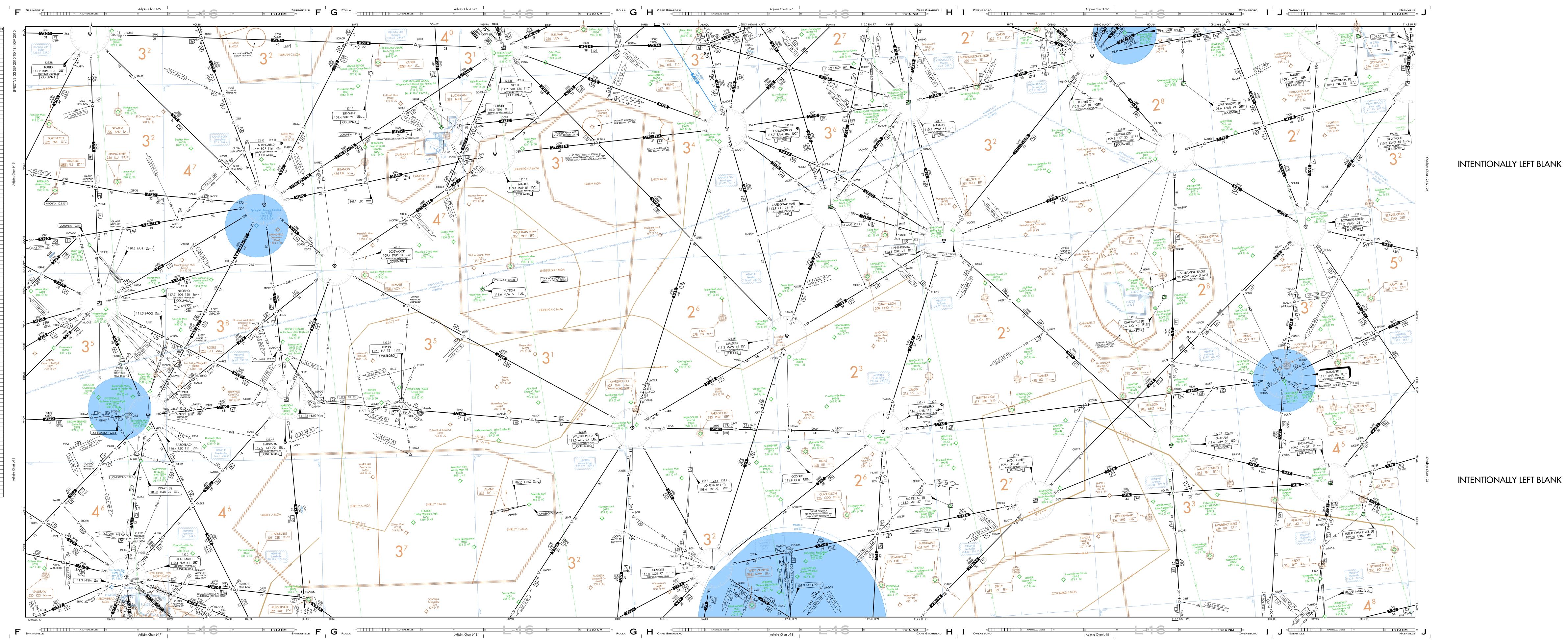
ASOS/AWOS THIWAS TWEB

NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE
IR-66	100 AGL TO 5000	IR-172	500 AGL TO 6000	VR-106	300 AGL TO 5000
IR-67	100 AGL TO 5000	IR-173	500 AGL TO 6000	VR-108	100 AGL TO 15000
IR-77	5000	IR-174	500 AGL TO FL230	VR-114	100 AGL TO 11000
IR-78	6000	IR-175	500 AGL TO 4000	VR-119	100 AGL TO 10000
IR-105	100 AGL TO 7000	IR-177	200 AGL TO FL230	VR-138	100 AGL TO 10000
IR-107	100 AGL TO 10000	IR-181	500 AGL TO 6000	VR-152	500 AGL TO 10000
IR-109	100 AGL TO 16000	IR-182	500 AGL TO 6000	VR-190	300 AGL TO 5000
IR-111	100 AGL TO 16000	IR-183	500 AGL TO 6000	VR-191	300 AGL TO 5000
IR-113	100 AGL TO 11500	IR-185	500 AGL TO 6000	VR-198	300 AGL TO 5000
IR-11 <i>7</i>	SURFACE TO 4000	IR-193	300 AGL TO 5000	VR-199	300 AGL TO 5000
IR-120	100 AGL TO 5000	IR-308	SURFACE TO 13000	VR-413	500 AGL TO 17000
IR-121	100 AGL TO 4000	IR-409	300 AGL TO 10000	VR-511	1500 AGL TO 4000
IR-137	SURFACE TO 13000	IR-500	200 AGL TO FL230	VR-512	1500 AGL TO 4000
IR-145	SURFACE TO 6000	IR-501	200 AGL TO FL230	VR-532	100 AGL TO 10000
IR-146	SURFACE TO 6000	IR-504	600 AGL TO 17000	VR-533	SURFACE TO 10000
IR-150	200 AGL TO 13000	IR-513	500 AGL TO 17000	VR-534	SURFACE TO 10000
IR-155	SURFACE TO 9000	IR-526	500 AGL TO 15000	VR-535	SURFACE TO 10000
IR-164	100 AGL TO 4000	IR-592	500 AGL TO 10000	VR-536	100 AGL TO 10000
IR-171	500 AGL TO 6000	VR-104	300 AGL TO 10000	VR-552	500 AGL TO 10000

	EFFECTIVE		TIMES USED, UTC	CONTROLLING AGENCY		
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	PANE
P-47	To 4800 (1200AGL)	Cont	Cont	VFR-IFR	No A/G	В
R-2401A,B	To 30000	Cont *1	Days	VFR-IFR	ZME CNTR/FSS	F
R-2402	To 30000	Cont *1	Days	VFR-IFR	ZME CNTR/FSS	F
R-3701A	To 5000	By NOTAM	By NOTAM	VFR-IFR	FORT CAMPBELL AAF RAPCON	ı
R-3702A	To 10000	By NOTAM	By NOTAM	VFR-IFR	ZME CNTR/FSS	ı
R-3702B	10000 To FL 220	By NOTAM	By NOTAM	VFR-IFR	ZME CNTR/FSS	ı
R-3704A	To 10000	Cont *1	1100-0500Z‡	VFR-IFR	STANDIFORD CONTROL TOWER	J
R-3704B	10000 To 20000	By NOTAM	By NOTAM	VFR-IFR	STANDIFORD CONTROL TOWER	J
R-4501A	To But Not Including 2200	Mon-Sat *1	1230-0300Z‡	VFR-IFR	ZKC CNTR/FSS	G
R-4501B	To 2200	Mon-Sat *1	1230-0400Z‡	VFR-IFR	ZKC CNTR/FSS	G
R-4501C	2200 To 5000	Mon Tue-Fri *1	1500-0300Z‡ 1500-2200Z‡	VFR-IFR	ZKC CNTR/FSS	G
R-4501D	5000 To 12000	Mon Tue-Fri *1	1500-0300Z‡ 1500-2200Z‡	VFR-IFR	ZKC CNTR/FSS	G
R-4501E	12000 To FL 180	Mon Tue-Fri *1	1500-0300Z‡ 1500-2200Z‡	VFR-IFR	ZKC CNTR/FSS	G
R-4501F	To 3200	Cont	1300-2400Z‡	VFR-IFR	ZKC CNTR/FSS	G
R-4501H	To 3200	Wed *1	2100-2200Z‡	VFR-IFR	ZKC CNTR/FSS	G
A-371	To 2000	Cont	Cont	VFR	No A/G	- 1
A-562A	To 10000	Mon-Fri	SR To 3 Hours After SS	VFR	No A/G	D
A-562B	To 10000	Mon-Fri	Days	VFR	No A/G	D
A-683	To 4500	Mon-Fri	1400-0100Z‡	VFR	No A/G	D

	EFFECTIVE		TIMES USED, UTC		CONTROLLING AGENCY	
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	PANEL
ARROWHEAD	100 AGL *2	Mon-Fri *1	1100-0200Z‡	VFR-IFR	ZME CNTR/FSS	F
CAMPBELL 1	500 AGL To 10000	Cont *1	1300-0200Z‡	VFR-IFR	U.S. ARMY FORT CAMPBELL ARAC	ı
CAMPBELL 2	1500 AGL To 10000	Cont *1	1300-0200Z‡	VFR-IFR	U.S. ARMY FORT CAMPBELL ARAC	_
CANNON A	300 AGL *2	Tue-Sat *1	1500-2200Z‡	VFR-IFR	ZKC CNTR/FSS	G
CANNON B	100 AGL *2	Tue-Sat *1	1500-2200Z‡	VFR-IFR	ZKC CNTR/FSS	G
COLUMBUS 4	10000 *2	Mon-Fri *1	Days	VFR-IFR	ZME CNTR/FSS	ı
EUREKA H I GH	6000 *2	Mon-Fri Sat-Sun	Days By NOTAM	VFR-IFR	ZKC CNTR/FSS	E
EUREKA LOW	2500 To But Not Including 6000	Mon-Fri Sat-Sun	Days By NOTAM	VFR-IFR	ZKC CNTR/FSS	Е
HOG HIGH N	6000 *2	Mon-Fri *1	1100-0200Z‡	VFR-IFR	ZME CNTR/FSS	F
HOG LOW N	100 AGL To But Not Including 6000	Mon-Fri *1	1100-0200Z‡	VFR-IFR	ZME CNTR/FSS	F
HOLLIS	11000 *2	Mon-Fri *1	1 Hour Before SR To 1 Hour After SS	VFR-IFR	ZFW CNTR/FSS	С
LA VETA H I GH	13000 *2	Mon-Fri Exc Holidays *1	1400-2300Z‡	VFR-IFR	ZDV CNTR/FSS	Α
LINDBERGH A	7000 *2	Mon-Fri *1	1500-1630Z‡ 1900-2030Z‡	VFR-IFR	ZKC CNTR/FSS	G,H
LINDBERGH B	8000 *2	Mon-Fri *1	1500-1630Z‡ 1900-2030Z‡	VFR-IFR	ZKC CNTR/FSS	G
LINDBERGH C	8000 *2	Mon-Fri *1	1500-1630Z‡ 1900-2030Z‡	VFR-IFR	ZKC CNTR/FSS	G
MT DORA EAST HIGH	11000 *2	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	A,B
MT DORA EAST LOW	1500 AGL To But Not Including 11000	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	A,B
MT DORA NORTH H I GH	11000 *2	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	A,B
MT DORA NORTH LOW	1500 AGL To But Not Including 11000	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	A,B
MT DORA WEST HIGH	11000 *2	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	A
MT DORA WEST LOW	1500 AGL To But Not Including 11000	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	A
PINON CANYON	100 AGL To 10000	Intermittent	By NOTAM	VFR-IFR	ZDV CNTR/FSS	Α
SALEM	To But Not Including 7000	Intermittent	By NOTAM	VFR-IFR	ZKC CNTR/FSS	G,H
SH I RLEY A	11000 *2	Mon-Fri *1	1300-1800Z‡ 1900-2300Z‡	VFR-IFR	ZME CNTR/FSS	F,G
SHIRLEY B	11000 *2	Mon-Fri *1	1300-1800Z‡ 1900-2300Z‡	VFR-IFR	ZME CNTR/FSS	G
SHIRLEY C	11000 *2	By NOTAM	By NOTAM	VFR-IFR	ZME CNTR/FSS	G
TRUMAN B	8000 *2	Cont *1	1200-0600Z‡	VFR-IFR	ZKC CNTR/FSS	F
TRUMAN C	500 AGL *2	Cont *1	1200-0600Z‡	VFR-IFR	ZKC CNTR/FSS	F,G
TWO BUTTES HIGH	10000 *2	Tue-Sat *1	Days	VFR-IFR	ZDV CNTR/FSS	A,B
TWO BUTTES LOW	300 AGL To But Not Induding 10000	By NOTAM	By NOTAM	VFR-IFR	ZDV CNTR/FSS	A,B
VANCE 1A	10000 *2	Mon-Fri *1	1 Hour Before SR To 1 Hour After SS	VFR-IFR	ZKC CNTR/FSS	D
VANCE 1B	7000 *2	Mon-Fri *1	1 Hour Before SR To 1 Hour After SS	VFR-IFR	ZKC CNTR/FSS	D
VANCE 1C, 1D	10000 *2	Mon-Fri *1	1 Hour Before SR To 1 Hour After SS	VFR-IFR	ZKC CNTR/FSS	C,D
WASHITA	8000 *2	Mon-Fri *1	1 Hour Before SR To 1 Hour After SS	VFR-IFR	ZFW CNTR/FSS	C,D

-ME	ID	PANEL	NAME	ATI	ONS PANEL	NAME	ID I	PANI
rnathy Fld	GZS	Į.	Gideon Mem	M85	Н	Owensboro-Daviess	OWB	ı
ington Fld n Co	EKX K88	J E	Glasgow Muni Godman AAF	GLW FTK	J	Oxford Muni Ozark Rgnl	55K BPK	D G
Rgnl nony Muni	AVK ANY	D D	Grand Glaize-Osage Grand Lake Rgnl	K15	G F	Ozark-Franklin Co Panhandle-Carson Co	7M5 T45	F B
ansas Int	BYH	Н	Grayson Co	M2Ø	J	Pawhuska Muni	H76	Е
avalley emann Farms Pvt	12A ØKY1	G J	Grove Muni Gruver Muni	GMJ E19	F B	Perkins-Prothro Perry Co	5TE4 M15	B I
old AFB old Fld	AYX M31	J H	Guthrie-Edmond Rgnl Guymon Muni	GOK GUY	D B	Perry Lefors Fld Perry Muni	PPA F22	B D
nson Muni	PTS	F	Hancock Co-Ron	KY8	1	Perry Stokes	TAD	Α
usta Muni Bill Martin Mem	3AU AOV	D G	Harper Muni Harrisburg-Raleigh	8K2 HSB	D	Perryton Ochiltree Co Perryville Muni	PYX KØ2	<u>C</u> H
ley Rgnl	PAH	Н	Haskell	2K9	Е	Piedmont Muni	PYN	Н
esville Muni sville Rgnl	BVO BVX	E G	Hassell Fld Hatbox Fld	M29 HAX	E E	Pinckneyville-Du Quoi Pirates Cove Pvt	42KY	H
h Factory h River Ranl	BEC PVE	D I	Heber Springs Muni Hefner-Easley	HBZ H68	G E	Pocahontas Muni Ponca City Rgnl	M7Ø PNC	G D
on Co	ØM4	ı	Hemphill Co	HHF	С	Poplar Bluff Muni	POF	Н
on Muni onville Muni	H96 VBT	H F	Henderson City-Co Henry Co	EHR PHT	l I	Portland Muni Prague Muni	1M5 O47	J E
kwell-Tonkawa neville Muni	BKN HKA	D H	Henryetta Muni Higgins-Lipscomb Co	F1Ø	E C	Pratt Industrial Princeton-Caldwell Co	PTT 2MØ	D I
e City	1 <i>7</i> K	В	Hinton Muni	208	D	Providence-Webster	8M9	I
var Muni ar Fld-Shelbyville	M17 SYI	F J	Holley Mountain Arpk Hominy Muni	2A2 H92	G E	Raton Muni/Crews Flo Rector	7M8	A H
ne Co ling Green	HRO BWG	F J	Hooker Muni Hopkinsville-Christian	O45 HVC	B	Reelfoot Lake Richard Lloyd Jones Jr	ØM2 RVS	H E
ison Arpt	BBG	F	Horseshoe Bend	6M2	G	Richland Muni	MO1	G
ison West Muni kinridge Co	FWB I93	F J	Houston Co Houston Mem	M93 M48	G	Rick Husband Riverside	AMA K32	B D
alo Muni alo Muni	BFK H17	C F	Hugoton Muni Humboldt Muni	HQG M53	B H	Robert Sibley Rogers Muni-Carter	SZY ROG	l F
er Mem	BUM	F	Humphreys Co	ØM5	ı	Rolla Downtown	KØ7	G
ool Mem o Rgnl	TVB CIR	G H	Huntsville Muni Hutchinson Co	H34 BGD	F B	Rolla National Rough River State Park	VIH k 2l3	G J
co Rock-Izard Co	37T H21	G G	Hutchinson Muni	HUT IDP	D E	Russellville Rgnl	RUE 4M7	F
identon Mem ipbell AAF	HOP	ı	Independence Muni Ingalls Muni	3ØK	С	Russellville-Logan Co Sabre AHP	EOD	I
pbell Muni e Girardeau Rgnl	34M CGI	H	Jerry Sumners Sr Jetmore Muni	2H2 K79	F C	Salem Salem Mem	7M9 K33	G G
tain Jack Thomas	EQA	Е	John A Baker Fld	ØM3	1	Sallisaw Muni	JSV	F
mi Muni negie Muni	CUL 86F	D D	John C Tune Jones Mem	JWN 3F7	E	San Miguel Ranch Pvt Santa Rosa Route 66	SXU	A
oll Co oll Co	HZD 4M1	I F	Jonesboro Muni Joplin Ranl	JBR JLN	H F	Satanta Muni Savannah-Hardin Co	1K9 SNH	C
uthersville Mem	MØ5	Н	Kegelman AF Aux Fld	CKA	D	Sayre Muni	304	С
erville Muni erville Muni	94K GHM	F	Kennett Mem Kentucky Dam	TKX M34	H	Searcy Co Searcy Muni	4A5 SRC	G G
na Acft Fld ndler Rgnl	CEA CQB	D E	Kingman Arpt-Clyde Kinsley Muni	9K8 33K	D C	Seminole Muni Shamrock Muni	SRE 2F1	E C
nute Martin	CNU	Е	Kirk Fld	PGR	Н	Sharp Co Rgnl	CVK	G
rles W Baker rokee Muni	2M8 4O5	H D	Kyle-Oakley Fld Lafayette Muni	CEY 3M7	l J	Shawnee Rgnl Sikeston Mem Muni	SNL	D H
stman Airfield	O65 GCM	D	Lake Barkley State	1M9	I	Smith Fld	SLG MQY	F
emore Rgn ence E Page Muni		E D	Lakin Lamar Muni	36K LLU	B F	Smyrna South Grand Lake Rgr		J E
ksville Muni ton Muni Arpk	H35 CAO	F A	Larned-Pawnee Co Laverne Muni	LQR O51	C	Southern Illinois Spanish Peaks Airfield	MDH I 4V1	H A
eland Muni	95F	Е	Lawrenceburg	2M2	1	Sparta Community	SAR	Н
on Muni on Rgnl	CCA CLK	G C	Lebanon Muni Lee C Fine Mem	M54 AIZ	J G	Spearman Muni Springdale Muni	E42 ASG	B F
on-Sherman k Ranch	CSM 2E3	C B	Liberal Mid-America Lloyd Stearman Fld	LBL 1K1	C D	Springer Muni Springfield Muni	S42 8V7	A B
ey Co	UKL	Е	Lost Bridge Village Pvt	4ØAR	F	Springfield Robertson	M91	I
eyville Muni man Cattle Nr2	CFV 76TA	E B	Lost Mine Pvt Lowe Pvt	MO56 5KY5	G	Springfield-Branson Stanton Co Muni	SGF 2K3	F B
onel James Jabara Janche Co	AAO 3K8	D C	M Graham Clark Madison Co Exec	PLK MDQ	F J	Steele Muni Stigler Rgnl	M12 GZL	H E
chas Lake	E89	Α	Madisonville Muni	2IØ	1	Stillwater Rgnl	SWO	D
dell Muni nelia Fort Arpk	F36 M88	C	Malden Rgnl Manila Muni	MAW MXA	H	Stockton Muni Stratford Fld	MO3 H7Ø	F B
nell Pvt ning Muni	6 4 4M9	l H	Mansfield Muni Marion Co Rgnl	Ø3B FLP	G G	Strother Fld Stroud Muni	WLD SUD	D E
nty Mem	EIW	Н	Marion-Crittenden Co	5M9	1	Sturgis Muni	TWT	I
ngton Muni tal Lake	MØ4 5M5	H F	Maury Co Mayfield Graves Co	MRC M25	l I	Sublette Flying Club Sullivan Rgnl	19S UUV	C G
a Muni nara Va ll ey	UBX Ø7V	G A	Mc Connell AFB Mc Kellar-Sipes Rgnl	IAB MKL	D H	Sumner Co Rgnl Sundance Arpk	M33 HSD	J
ning Muni	CUH	Е	Mc Lean/Gray Co	2E7	С	Sunflower Aerodrome	SN76	D
iart Muni id Jay Perry	DHT 1K4	B D	McKinley Ranch Pvt Meade Muni	ØOK3 MEJ	D C	Sunray Syracuse-Hamilton Co	X43 3K3	<u>В</u> В
is Fld	MKO	E	Medford Muni	O53	D	Tahlequah Muni	TQH	Е
er Muni son Muni	DXE MØ2	H	Medicine Lodge Melbourne Muni	K51 42A	D G	Thayer Mem Thomas Muni	42M 1O4	G D
n Witch Pvt ge City Rgnl	29OK DDC	D C	Mesa Vista Ranch Pvt Metropolis Muni	TX13 M3Ø	B H	Thomas P Stafford Tinker AFB	OJA TIK	D D
rntown	3DW	F	Miami Muni	MIO	F	Tradewind	TDW	В
ke Fld rsburg Rgnl	FYV DYR	F H	Miami-Roberts Co Mid-America Industria	3EØ I H71	C E	Tri-City Tucumcari Muni	PPF TCC	E A
orado Spring eno Rgnl	87K RQO	F D	Mignon Laird Muni Miller Airfield Pvt	93F 25TS	C B	Tullahoma Rgnl Arpt Tulsa Intl	THA TUL	J E
City Rgnl Business	ELK	С	Millington Rgnl	NQA	Н	Ulysses	ULS	В
art-Morton Co gton	LUG	B J	Mississippi Co Monett Muni	CHQ HFJ	H F	Univ of Oklahoma Vance AFB	OUN	D D
	WDG FØ8	D E	Montezuma Muni Moore Co	K17 DUX	C B	Viburnum Pvt Vinita Muni	MO84	G
ka Muni	13K	E	Mooreland Muni	MDF	C	Walnut Ridge Rgnl	HØ4 ARG	E G
nsville Rgnl ett-Stewart Rgnl	UCY	H	Moundridge Muni Mount Vernon Muni	47K 2MO	D F	Washington Co Watonga Rgnl	8WC JWG	<u>Н</u> D
essway Arpk	12OK	D	Mountain Grove Mem	1MO	G	Waynesville-St Robert	TBN	G
view Muni nington Rgnl	6K4 FAM	D H	Mountain View Mountain View Wilcox		G G		EGT AWM	D H
ette Co etteville Muni	FYE FYM	H	Muhlenberg Co Municipal	M21 K49	I B	West Plains Muni	UNO WWR	G C
ıs Mem	FES	Н	Murfreesboro Muni	MBT	J	Wheeler Muni	T59	С
d W Jones ett/Lipscomb Co	T93	G C	Nashville Intl Neodesha Muni	BNA 2K7	J E	Wichita Mid-Continen Wiley Post	t ICT PWA	D D
Scott Muni Smith Rgnl	FSK FSM	F	Neosho Hugh Nevada Muni	EOS	F F	Will Rogers World William L Whitehurst	OKC MØ8	D
ntainhead Lodge	ØF7	Е	Newport Muni	MVD M19	G	William R Pogue	OWP	H E
ericktown Rgnl onia	H88 1K7	H E	Newton-City-Co Northwest Arkansas	XNA	D F	Williamson Co Rgnl Willow Springs Mem	MWA 1H5	H G
dom Muni	K77	С	Ohio Co	7K4	ı	Wilson Fld Pvt Winchester Muni	3TN6	Н
e	GAG	C	Okmulgee Rgnl	OKM	E	vvinchester /Vluni	BGF	J



Warning: Refer to current foreign charts and flight information publications for information within foreign airspace FLIGHT INFORMATION PUBLICATION 1"=10 NM IFR ENROUTE LOW ALTITUDE - U.S. For use up to but not including 18,000' MSL

FOR PROCUREMENT CONTACT:

Washington, D.C. 20591 Online at http://nfdc.faa.gov Email 9-AWA-ATOR-AIS-feedback@faa.gov Telephone 1-866-295-8236

or any authorized chart agent FOR CHARTING ERRORS CONTACT: For Corrections Information, See Chapter 11 of General Planning (GP). For Procurement refer to DOD Catalog of Aeronautical Charts and Flight Information Publications.

Frequently asked questions (FAQ) are answered on our web site at http://AERONAV.FAA.GOV.

See the FAQs prior to contact via toll free number or email.

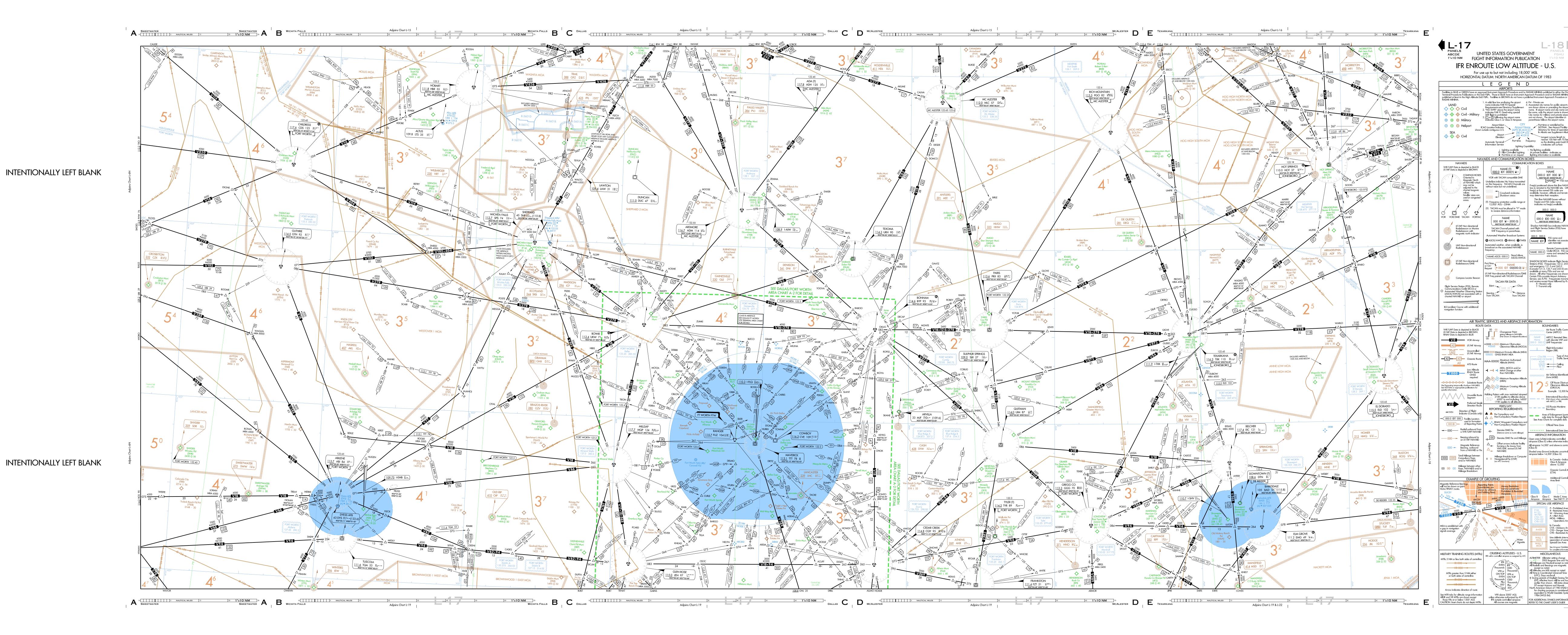
THIS CHART CONTAINS OFF ROUTE OBSTRUCTION CLEARANCE ALTITUDES (OROCA). The off route obstruction clearance altitudes shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The OROCA is based on information available concerning the highest known features in each quadrangle, including terrain and obstructions. OROCA provides obstruction clearance with a 1000 foot buffer in designated non-mountainous areas and a 2000 foot buffer in designated mountainous areas within the United States. For areas in Mexico and the Caribbean which are located outside of the U.S. ADIZ, OROCA provides obstruction clearance with a 3000 foot buffer. This altitude is provided for obstruction clearance only. It does not provide for NAVAID signal coverage or communication coverage, and would not be consistent with altitudes assigned by Air Traffic Control.

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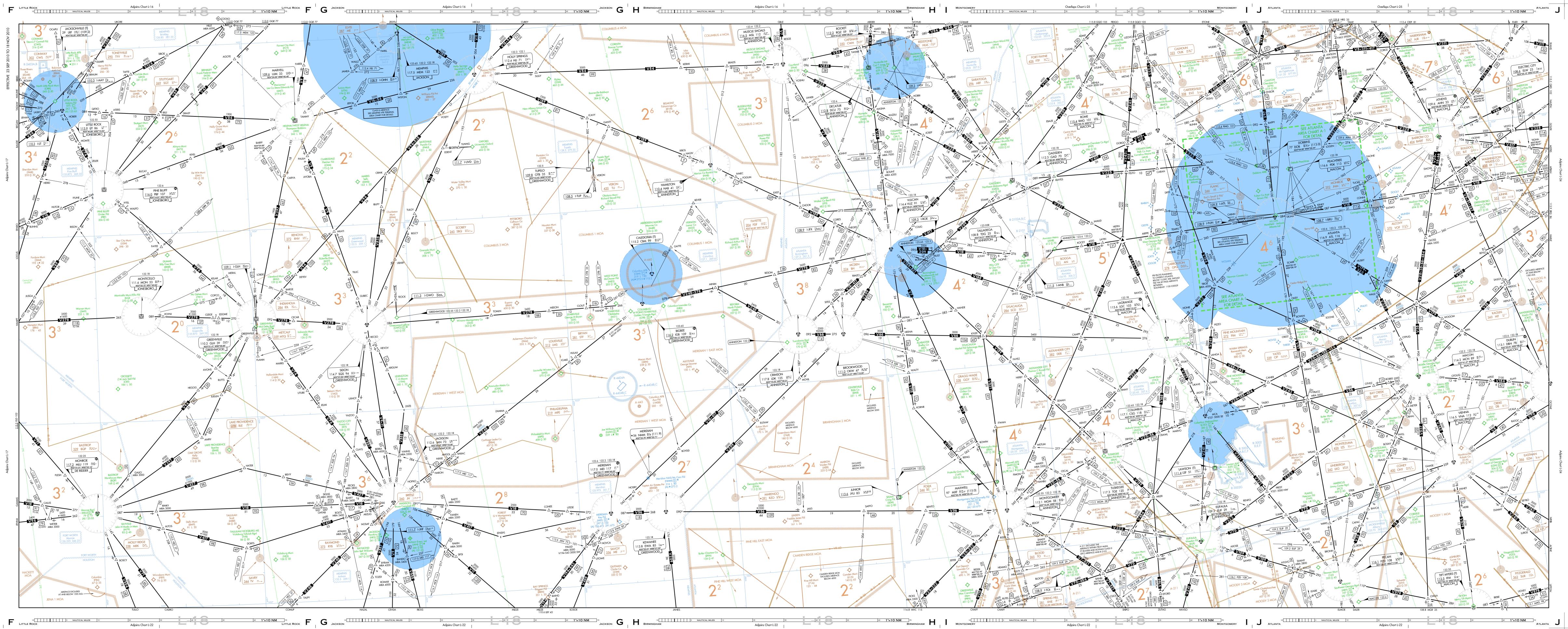


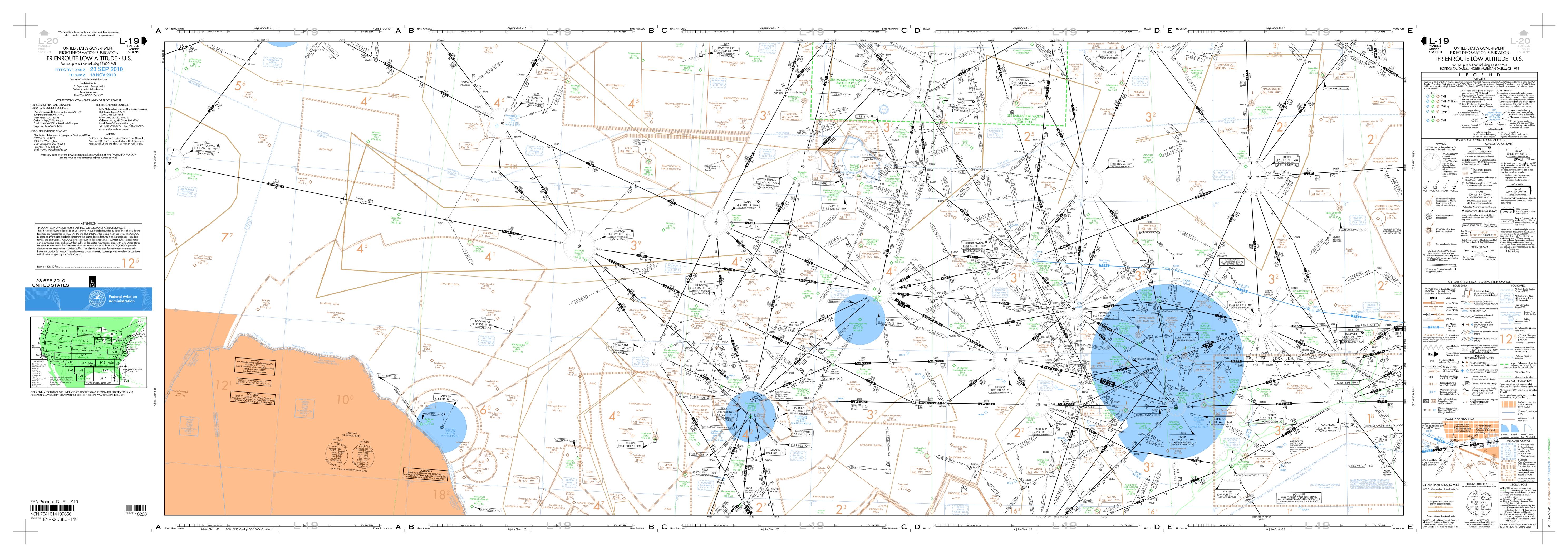
MII	ITARV	TRAINING ROUT	FS	
IVIII	LITAKI	TRAINING ROOT		
ALTITUDE RANGE	NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RAN
300 AGL TO 6000	IR-90	100 AGL TO 10000	VR-97	100 AGL TO 800
500 AGL TO 3000	IR-91	SURFACE TO 4000	VR-104	300 AGL TO 100
4000 TO 7000	IR-103	100 AGL TO 5000	VR-106	300 AGL TO 500
5000 TO 11000	IR-105	100 AGL TO 7000	VR-118	500 AGL TO 15
9000 TO 10000	IR-117	SURFACE TO 4000	VR-144	300 AGL TO 400
500 AGL TO 6000	IR-120	100 AGL TO 5000	VR-158	500 AGL TO 500
500 AGL TO 6000	IR-121	100 AGL TO 4000	VR-159	500 AGL TO 500
2200 TO 7000	IR-124	100 AGL TO 6000	VR-162	500 AGL TO 50
200 AGL TO 3000	IR-129	500 AGL TO 6000	VR-163	500 AGL TO 30
200 AGL TO 3000	IR-139	100 AGL TO 6000	VR-184	300 AGL TO 400

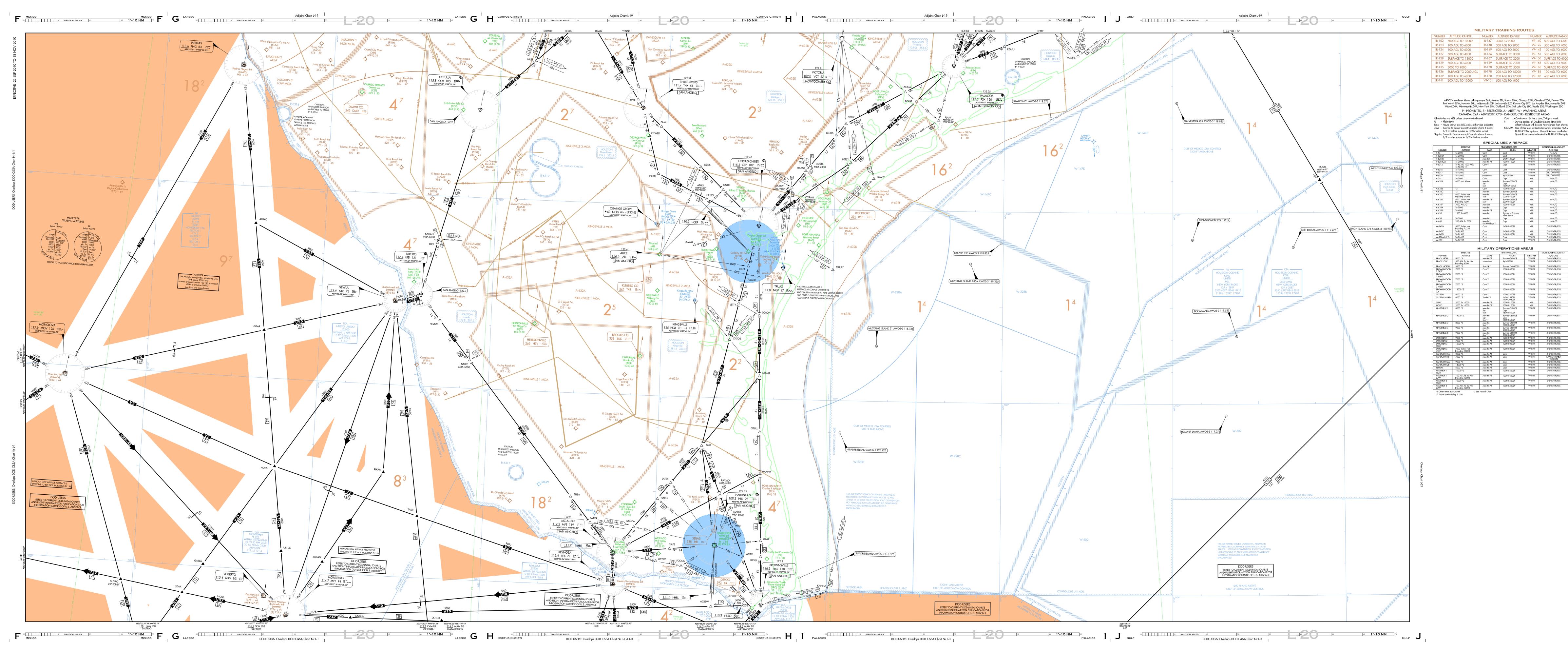
ARTCC three letter idents: Albuquerque ZAB, Atlanta ZTL, Boston ZBW, Chicago ZAU, Cleveland ZOB, Denver ZD Fort Worth ZFW, Houston ZHU, Indianapolis ZID, Jacksonville ZJX, Kansas City ZKC, Los Angeles ZLA, Memphis ZJ Miami ZMA, Minneapolis ZMP, New York ZNY, Oakland ZOA, Salt Lake City ZIC, Seattle ZSE, Washington ZDC

		SPECIAL	USE AIRSPA	∪E.			
	EFFECTIVE		TIMES USED, UTC		CONTROLLING AGENCY		
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	PANE	
R-2101	To 5000	Mon-Fri	1300-2400Z‡	VFR-IFR	No A/G	1	
R-2102A	To 8000	Intermittent *1	1200-0400Z‡	VFR-IFR	ZTL CNTR/FSS	1	
R-2102B	8000 To 14000	Intermittent *1	1200-0400Z‡	VFR-IFR	ZTL CNTR/FSS	1	
R-2102C	14000 To 24000	Intermittent *1	1200-0400Z‡	VFR-IFR	ZTL CNTR/FSS	1	
R-2104A	To 12000	Intermittent *1 Mon-Sat	1200-0200Z‡	VFR-IFR	ZME CNTR/FSS	Н	
R-2104B	To 2400	Cont	Cont	VFR-IFR	ZME CNTR/FSS	Н	
R-2104C To 12000		Intermittent *1 Mon-Sat	1200-0200Z‡	VFR-IFR	ZME CNTR/FSS	Н	
R-2104D,E	12000 To FL 300	By NOTAM	By NOTAM	VFR-IFR	ZME CNTR/FSS	Н	
R-2403A,B	To 16000	By NOTAM	By NOTAM	VFR-IFR	ZME CNTR/FSS	F	
R-3002A	To 4000	Intermittent *1	1100-0700Z‡	VFR-IFR	ATLANTA TRACON	لرا	
R-3002B	4000 To 8000	Intermittent *1	1100-0700Z‡	VFR-IFR	ATLANTA TRACON	L/I	
R-3002C	8000 To 14000	Intermittent	By NOTAM	VFR-IFR	ATLANTA TRACON	لرا	
R-3002D	To 8000	Intermittent *1	1100-0700Z‡	VFR-IFR	ATLANTA TRACON	I,J	
R-3002E	8000 To 14000	Intermittent	By NOTAM	VFR-IFR	ATLANTA TRACON	I,J	
R-3002F	14000 To FL 250	Intermittent	By NOTAM	VFR-IFR	ATLANTA TRACON	L/I	
R-3002G	To 14000	Intermittent *1	1200-0800Z‡	VFR-IFR	ATLANTA TRACON	1	
R-4404A	To 11500	Intermittent *1	1300-2400Z‡	VFR-IFR	ZME CNTR/FSS	G	
R-4404B	1200 AGL To 11500	Intermittent *1	1300-2400Z‡	VFR-IFR	ZME CNTR/FSS	G,H	
R-4404C	11500 To 14500	Intermittent *1	1300-2400Z‡	VFR-IFR	ZME CNTR/FSS	G,H	
R-5601A	To 40000	Cont	Cont	VFR-IFR	ZFW CNTR/FSS	С	
R-5601B	To 40000	Cont	Cont	VFR-IFR	ZFW CNTR/FSS	B,C	
R-5601C	To 40000	Cont	Cont	VFR-IFR	ZFW CNTR/FSS	В	
R-5601D	500 AGL To FL 400	Mon-Fri *1	Sunrise To 0400Z‡	VFR-IFR	ZFW CNTR/FSS	В	
R-5601E	500 AGL To 6000	Mon-Fri *1	Sunrise To 0400Z‡	VFR-IFR	ZFW CNTR/FSS	В	
R-5601F	500 AGL To FL 400	Mon-Fri *1	Sunrise To 0400Z‡	VFR-IFR	ZFW CNTR/FSS	B,C	
A-211	To 5000	Mon-Fri	1200-0400Z‡	VFR	No A/G	1	
A-440	To 6500	Mon-Fri	Sunrise To 3 Hours After Sunset	VFR-IFR	No A/G	G,H	

	EFFECTIVE		TIMES USED, UTC		CONTROLLING AGENCY	Т
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	P,
ANNE HIGH	7000 *2	Mon-Fri *1	Days	VFR-IFR	ZFW CNTR/FSS	
ANNE LOW	100 AGL To But Not Including 7000	Mon-Fri *1	Days	VFR-IFR	ZFW CNTR/FSS	
ARROWHEAD	100 AGL *2	Mon-Fri *1	1100-0200Z‡	VFR-IFR	ZME CNTR/FSS	
BENNING	500 AGL To 8000	Normally Mon-Fri Occasionally Sat-Sun *1	1200-0100Z‡	VFR-IFR	COLUMBUS ATC TWR	
BIRMINGHAM	10000 *2	Days *1	1300-0400Z‡	VFR-IFR	ZTL CNTR/FSS	
BIRMINGHAM 2	500 AGL To But Not Including 10000	Cont	1300-0400Z‡	VFR-IFR	ZTL CNTR/FSS	
BROWNWOOD 1 EAST	7000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZFW CNTR/FSS	
BROWNWOOD 1 WEST	7000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZFW CNTR/FSS	
BROWNWOOD 3	13000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZFW CNTR/FSS	Г
BULLDOG A	500 AGL To But Not Including 10000	Intermittent *1	1200-0500Z‡	VFR-IFR	ZTL CNTR/FSS	
CAMDEN RIDGE	500 AGL To But Not Including 10000	Normally Cont	1300-0500Z‡	VFR-IFR	ZTL CNTR/FSS	
COLUMBUS 1,2,3	8000 *2	Mon-Fri *1	Days	VFR-IFR	ZME CNTR/FSS	-
COLUMBUS 4	10000 *2	Mon-Fri *1	Days	VFR-IFR	ZME CNTR/FSS	-
HACKETT	7000 *2	Mon-Fri *1	1330-0400Z‡	VFR-IFR	ZFW CNTR/FSS	
HOG H I GH NORTH	6000 *2	Mon-Fri *1	1100-0200Z‡	VFR-IFR	ZME CNTR/FSS	
HOG HIGH SOUTH	6000 *2	Mon-Fri *1	1100-0200Z‡	VFR-IFR	ZME CNTR/FSS	
HOG LOW NORTH	100 AGL To But Not Including 6000	Mon-Fri *1	1100-0200Z‡	VFR-IFR	ZME CNTR/FSS	
HOG LOW SOUTH	100 AGL To But Not Including 6000	Mon-Fri *1	1100-0200Z‡	VFR-IFR	ZME CNTR/FSS	
HOLLIS	11000 *2	Mon-Fri *1	*3	VFR-IFR	ZFW CNTR/FSS	
JENA 1	100 AGL To 5000	Mon-Fri *1	1400-0400Z‡	VFR-IFR	ZHU CNTR/FSS	
LANCER	6200 *2	Mon-Fri *1	1500-0600Z‡	VFR-IFR	ZFW CNTR/FSS	
mer i dian 1 East	8000 *2	Mon-Fri *1	Days	VFR-IFR	ZME CNTR/FSS	
MERIDIAN 1 WEST	8000 *2	Intermittent Sun-Fri *1	Sunrise-0500Z‡	VFR-IFR	ZME CNTR/FSS	-
MOODY 1	8000 *2	Mon-Fri *1	1100-0700Z‡	VFR-IFR	ZJX CNTR/FSS	\Box
MOODY 3	8000 *2	Mon-Fri *1	1100-0700Z‡	VFR-IFR	ZJX CNTR/FSS	
PINE HILL EAST	10000 *2	Mon-Fri *1 Sat *1	1300-0500Z‡ 1400-2100Z‡	VFR-IFR	ZTL CNTR/FSS	
PINE HILL WEST	10000 *2	Mon-Fri *1 Sat *1	1300-0500Z‡ 1400-2100Z‡	VFR-IFR	ZTL CNTR/FSS	
RIVERS	8000 *2	Mon-Fri Sat-Sun	1500-0300Z‡ By NOTAM	VFR-IFR	ZFW CNTR/FSS	Г
SHEPPARD 1	8000 *2	Mon-Fri *1	Normally *3	VFR-IFR	ZFW CNTR/FSS	
CLIEDDADD O	9000 +2	A4 E-1 +1	Namedle *2	VED IED	ZEVAL CENTE /ECC	T







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NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE	NUMBER
IR-102	500 AGL TO 10000	IR-147	3000 TO 9000	VR-140
IR-123	100 AGL TO 6000	IR-148	500 AGL TO 2000	VR-142
IR-124	100 AGL TO 6000	IR-149	500 AGL TO 5000	VR-143
IR-127	600 AGL TO 4000	IR-166	SURFACE TO 3000	VR-151
IR-128	SURFACE TO 13000	IR-167	SURFACE TO 2000	VR-156
IR-129	500 AGL TO 6000	IR-169	SURFACE TO 7000	VR-158
IR-135	3000 TO 9000	IR-170	SURFACE TO 5000	VR-168
IR-136	SURFACE TO 2000 AGL	IR-178	200 AGL TO 15000	VR-186
IR-139	100 AGL TO 6000	IR-180	200 AGL TO 17000	VR-187
IR-1//1	500 AGLTO 10000	VR-101	500 AGLTO 4000	

P - PROHIBITED, R - RESTRICTED, A - ALERT, W - WARNING AREAS CANADA: CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS

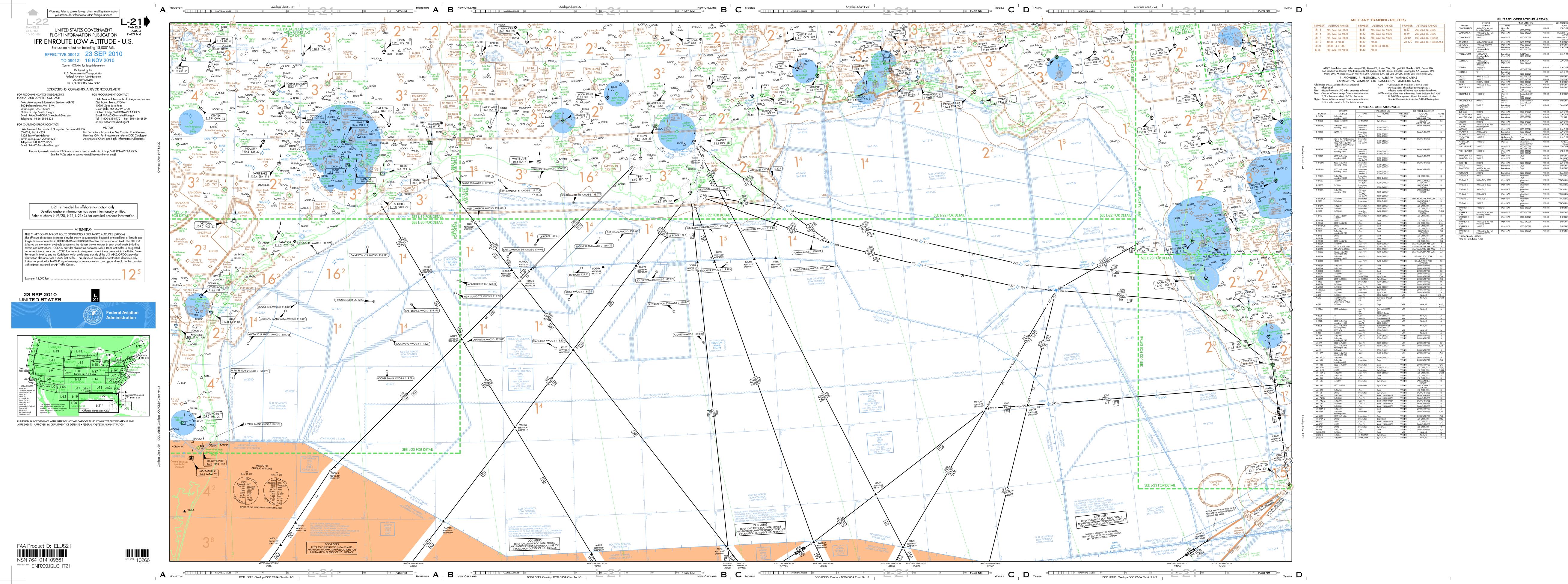
SPECIAL USE AIRSPACE TIMES USED, UTC TIMES USED, UTC CONTROLLING AGENCY A G CALL A G CALL

NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL
P-49	To 2000	Cont	Cont	VFR-IFR	No A/G
R-6302A	To 30000	Cont	Cont	VFR-IFR	ZHU CNTR/FSS
R-6302B	To 11000	Mon-Sat *1	2400-1200Z‡	VFR-IFR	ZHU CNTR/FSS
R-6302C,D	To 30000	Mon-Fri *1	1300-0100Z‡	VFR-IFR	ZHU CNTR/FSS
R-6312	R-6312 To FL 230 1000 AGL To FL 230 *3		Days	VFR-IFR	ZHU CNTR/FSS
R-6316	To 15000	Cont	Cont	VFR-IFR	ZHU CNTR/FSS
R-6317	To 15000	Cont	Cont	VFR-IFR	ZHU CNTR/FSS
R-6320	To 15000	Intermittent	By NOTAM	VFR-IFR	ZHU CNTR/FSS
A-381	To 2000	Cont	Days	VFR	No A/G
A-632A	6000 and Above	Mon-Fri Sat Sun	Sunrise-0500Z‡ Days 1800Z‡-Sunset	VFR	No A/G
A-632B	*2	Cont	1300-0600Z‡	VFR	No A/G
A-632C	A-632C *2		Sunrise-0600Z‡	VFR	No A/G
A-632D	6000 To But Not Including 11000	Mon-Fri Sun *1	Sunrise-0600Z‡ 0200-0600Z‡	VFR	No A/G
A-632E	6000 To But Not Including 9000	Mon-Fri *1 Sun *1	Sunrise-0600Z‡ 2000-0600Z‡	VFR	No A/G
A-632F	3000 AGL *2	Mon-Sat	1300-0600Z‡	VFR	No A/G
A-633A	To 7000	Mon-Fri	Days	VFR	No A/G
A-633B	To 4000	Mon-Fri *1	Days	VFR	No A/G
A-635	1500 To 4000	Mon-Fri	Sunrise to 3 Hours After Sunset	VFR	No A/G
A-638	To 3000	Mon-Fri	Days	VFR	No A/G
A-640	200 AGL To 7500	Mon-Fri Exc Holidays *1	Days	VFR	No A/G
W-147A	5000 To But Not Including FL 230	Cont	1400-0400Z‡	VFR	ZHU CNTR/FSS
W-147C	To FL 500	Cont	1400-0400Z‡	VFR	ZHU CNTR/FSS
W-147D	To FL 500	Cont	1400-0400Z‡	VFR	ZHU CNTR/FSS
W-228A,B,C,D	To FL 450	Cont	Cont	VFR-IFR	ZHU CNTR/FSS

MILITARY OPERATIONS AREAS INJUMBER ALITIUDE DAYS HOURS WEATHER A/G CALL PAT BRADY HIGH 6000 "2 Mon-Fri "1 Sunrise-0400Z† VFR-IFR ZHU CNTR/FSS B,

BRADT HIGH	6000 2	Mon-Fri	Sunrise-0400Z†	VFK-IFK	ZHU CNIK/F55	
BRADY LOW	500 AGL To But Not Including 6000	Intermittent	By NOTAM	VFR-IFR	ZHU CNTR/FSS	E
BRADY NORTH	3600 *2	Sun-Fri *1	Sunrise To 0400Z‡	VFR-IFR	ZHU CNTR/FSS	- 1
BROWNWOOD 1 EAST	7000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZFW CNTR/FSS	
BROWNWOOD 1 WEST	7000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZFW CNTR/FSS	E
BROWNWOOD 2 EAST	7000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZFW CNTR/FSS	
BROWNWOOD 2 WEST	7000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZFW CNTR/FSS	
BROWNWOOD 3,4	13000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZFW CNTR/FSS	
CRYSTAL	6000 *2	Cont *1	1300-2400Z‡	VFR-IFR	ZHU CNTR/FSS	
CRYSTAL NORTH	6000 *2	Tue-Fri *1	1400-1530Z‡ 1900-2030Z‡	VFR-IFR	ZHU CNTR/FSS	E
GRAY	2000 To 10000	Mon-Fri *1	1300-0100Z‡	VFR	ZHU CNTR/FSS	
HOOD	2000 To 10000	Mon-Fri *1	1300-0100Z‡	VFR	ZHU CNTR/FSS	
KINGSVILLE 1	8000 *2	Mon-Fri Sat Sun *1	Sunrise-0600Z‡ Days 1600-0600Z‡	VFR-IFR	ZHU CNTR/FSS	
KINGSVILLE 2	13000 *2	Mon-Fri Sat Sun *1	Sunrise-0600Z‡ Days 1600-0600Z‡	VFR-IFR	ZHU CNTR/FSS	
KINGSVILLE 3	8000 *2	Mon-Fri Sun *1	Sunrise-0600Z‡ 1600-0600Z‡	VFR-IFR	ZHU CNTR/FSS	
KINGSVILLE 4	9000 *2	Mon-Fri Sun *1	Sunrise-0600Z‡ 2000-0600Z‡	VFR-IFR	ZHU CNTR/FSS	C,
KINGSVILLE 5	9000 *2	Mon-Fri Sun *1	Sunrise-0600Z‡ 2000-0600Z‡	VFR-IFR	ZHU CNTR/FSS	
LAUGHLIN 1	9000 *2	Mon-Fri *1	1200-0200Z‡	VFR-IFR	ZHU CNTR/FSS	/
LAUGHLIN 2	7000 *2	Mon-Fri *1	1200-0200Z‡	VFR-IFR	ZHU CNTR/FSS	E
LAUGHLIN 3 H I GH	15000 *2	Mon-Fri *1	1200-0200Z‡	VFR-IFR	ZHU CNTR/FSS	E
LAUGHLIN 3 LOW	7000 To But Not Including 15000	Mon-Fri *1	1200-0200Z‡	VFR-IFR	ZHU CNTR/FSS	E
RANDOLPH 1A	8000 *2	Mon-Fri *1	Days	VFR-IFR	ZHU CNTR/FSS	C
RANDOLPH 1B	7000 *2	Mon-Fri *1	Days	VFR-IFR	SAN ANTON I O TRACON	
RANDOLPH 2A	9000 *2	Mon-Fri *1	Days	VFR-IFR	ZHU CNTR/FSS	- 1
RANDOLPH 2B	14000 *2	Mon-Fri *1	Days	VFR-IFR	ZHU CNTR/FSS	
TEXON	6000 *2	Mon-Fri *1	Days	VFR-IFR	ZHU CNTR/FSS	
Warrior 1 High	10000 *2	Mon-Fri *1	1300-0400Z‡	VFR-IFR	ZHU CNTR/FSS	
Warr i or 1 Low	100 AGL To But Not Including 10000	Mon-Fri *1	1300-0400Z‡	VFR-IFR	ZHU CNTR/FSS	
14/4 BBIOB 0						

1000				UNAS	П	Fort Stockton-Pecos Co		A	North Houston Busines		
5000		L	A L Mangham Jr Rgnl	OCH	Е	Fossil Creek Ranch	TE78	В	Nueces Co	RBO	Н
			Ainsworth Pvt	Ø6TE	Е	Four Square Ranch	3TAØ	В	O S Wyatt Pvt	14TS	Н
2000		İ	Alfred C Thomas	T69	Н	Frontier Pvt	55XS	В	Orange Co	ORG	Е
6000		ŀ	Alice Intl	ALI	Н	Garner Fld	UVA	В		NOG	H
	$\overline{}$	ŀ						_			
5000			Ammons Arpt Pvt	5LS9	E	Gatesville Muni	GOP	С	Ozona Muni	OZA	Α
4000				ØXS7	В	General Lucio Blanco		Н	Paisano Ranch Pvt	91TX	Н
000			Angelina Co	LFK	Е		MMMY	G	Palacios Muni	PSX	
1000			Aransas Co	RKP	1	George Bush Intcntl	IAH	E	Palestine Muni	PSN	D
1000		İ	Aransas Wildlife	XS1Ø	ı	Georgetown Muni	GTU	С	Pearland Rgnl	LVJ	Е
		ŀ		47TX	Н	Giddings-Lee Co	GYB	D		MMPG	G
		ŀ		TE26		Gillespie Co	T82	_			
					Н			С		72TA	
			Austin-Bergstrom Intl	AUS	С	Glad Oaks Pvt	2XS3	D	Pineland Muni	T24	E
			Austin Exec	EDC	C	Glasscock Fld Pvt	4TS8	В	Pinon Ranch Pvt	1XS8	В
		Ī	B J Mc Combs	Ø8TE	С	Goldthwaite Muni	T37	С	Pleasanton Muni	PEZ	С
)V		ı	Bailey Pvt	2TS8	С	Goliad Co Industrial	7T3	Н	Port Isabel-Cameron	PIL	Н
ME C		ŀ	Barnstormer Pvt	TE99	D		69TX	ï	Prairie Aire Fld Pvt	4TAØ	D
_								_			
			Bay City Muni	BYY	D	Groveton-Trinity Co	33R	Е	Progreso Pvt	TSØ5	Н
			Baytown	HPY	Е	H & F Properties Pvt	8TE4	G	Putty Ranch Pvt	TA78	С
			Beaumont Muni	BMT	Е	H H Coffield Rgnl	RCK	D	Pyramid Ranch Pvt	2TA6	D
		Ī	Beeville Muni	BEA	Н	Hallettsville Muni	34R	D	Quetzalcoatl Intl	MMNL	G
hown.		l l	Ben Bruce Mem	4TE8	E	Hamilton Muni	MNZ	C	Randolph AFB	RND	C
FAA A	ınd	ŀ		2XS8	В		2XS1	C	Randolph AFB Aux		c
other						Harris Ranch Pvt		_		SEQ	
l syster	n.			TX73	D	Harrison Piloncillo	TE27	G	Reagan Co	E41	Α
			Bishop Muni	Ø7R	Н	Hawthorne Fld	45R	Е	Real Co	49R	В
		[Blanco Landing Pvt	3TA5	С	Headwaters Arpt Pvt	25XA	С	Rio Grande City Muni	67R	Н
· ·		, 1	Boerne Stage Fld	5C1	С	Hearne Muni	LHB	D	Rio Vista Ranch Pvt	TSØ4	В
ICY	DANIE!	 	Brazoria Co	LBX	D	Heath Canyon Pvt	1XS7	A	River Bend Ranch Pvt	94TX	В
-+	PANEL C							_			
-+	c		Brenham Muni	11R	D	High Man Tower	TE62	Н	Robert Gray AAF	GRK	С
	С	[Briscoes Catarina	1TE1	G	Hilltop Lakes Pvt	ØTE4	D	Robert Lee	54F	В
	С		Brooks Co	BKS	Н	Hondo Muni	HDO	В	Robert R Wells Jr	66R	D
	Н	t	Brownsville/S Padre Is	BRO	Н	Hood AAF	HLR	С	Roger M Dreyer Mem	T2Ø	С
	G			BWD	C	Horseshoe Bay Resort	DZB	c	Rooke Fld	RFG	H
	Н							_			
	T I		Bruce Fld	E3Ø	В	Houston Co	DKR	D	Roy Hurd Mem	EØ1	Α
	E		Burnet Muni	BMQ	C	Houston Exec	TME	D	Rutherford Ranch Pvt	8 <i>5</i> TX	С
	G,H		Byram Ranch Pvt	63XS	С	Houston-Southwest	AXH	D	RWJ Arpk	54T	Е
		t	C David Campbell Fld	CRS	D	Hughes Ranch Pvt	5ØXS	В	San Angelo Rgnl	SJT	В
	H,I			NGW	H	Huntsville Muni	UTS	D	San Antonio Intl	SAT	c
	Н							_			
	C,D,H,I		Cage Ranch Pvt	7TE2	Н	Idlewild Pvt	XS11	В	San Augustine Co	78R	Е
	D.III		Caldwell Muni	RWV	D	Indian Springs Ranch	7XS7	C	San Christoval Ranch	XS71	Н
	D,H,I		Calhoun Co	PKV	_	Indio-Faith Pvt	2XS2	G	San Geronimo Arpk	8T8	С
	\neg	t	Cameron Muni Arpk	T35	D	Iraan Muni	2FØ	Α		XS67	
	A,B			TE37	В	Jackson Co	26R	D	San Marcos Muni	HYI	Ċ
	В										
	С			89TS	D	Jasper Co-Bell Fld	JAS	Е	San Rafael Ranch Pvt	38XS	Н
	С		Castroville Muni	CVB	С	Jim Hogg Co	HBV	Н	San Saba Co Muni	81R	С
	B,C,G,H		Center Muni	F17	Е	Karnes Co	2R9	Н	Santa Maria Ranch	ØTE5	G
			Chambers Co	TØØ	Е	Kennedy Ranch Pvt	5ØTX	С	Scholes Intl	GLS	Е
	J		Chambers Co-Winnie	T9Ø	Ē	Kerrville Muni/Louis	ERV	Ċ		ØXA4	H
	$\neg \neg$							_			
	Į,j		Chaparrosa Ranch	72TE	В	Kestrel Arpk	117	С	Silver Wings Pvt	TS36	С
	i i		Charles L Kelly AHP	T22	С	Kimble Co	JCT	В	Simaron Ranch Pvt	9TS3	D
	I,J		Charles R Johnson	TØ5	Н	Kingsville NAS	NQI	Н	Skylark Fld	ILE	C
		Ì		1XA2	Н	Kirbyville	T12	Е	Smithville Crawford	84R	D
		ŀ	Cherokee Co	JSO	E	Kleberg Co	IKG	H	Smoky Bend Pvt	TA24	C
								_			
ICY			Chupadera Ranch Pvt		G	La Fonda Ranch Pvt	2TX3	В	Songbird Ranch Pvt	91TS	Е
-	PANEL B,C		Cleveland Muni	6R3	Е	La Porte Muni	T41	Е	Sonora Muni	SOA	В
-	B,C		Clifton Muni	7F7	C	Lackland AFB/Kelly	SKF	C	South Texas Int	EBG	Н
			Coleman Muni	СОМ	В	Lago Vista TX- Rusty	RYW	С	Southeast Texas Rgn	BPT	Е
	B,C			4TA6	В	Lakeway Arpk	3R9	С	Spicewood	88R	С
I	С	 						C			
-	B,C			MKN	С	Lampasas	LZZ	_	Spring Ranch Pvt	3TA6	В
		[5TEØ	G	Lane Arpk	T54	D	Squirrel Creek Ranch	4TE9	В
	С	[Corpus Christi Intl	CRP	Н	Laredo Intl	LRD	G	Stinson Muni	SSF	С
	B,C	[Corpus Christi NAS	NGP	Η	Laughlin AFB	DLF	В	Stovall Ranch Nr 1 Pvt	7TE6	D
				XS94	G	Laughlin AFB Aux	T7Ø	В	Strait Ranch Pvt	8TS9	G
	В	 	Cotulla-La Salle Co	COT	Ğ	LBJ Ranch Pvt	ØTE7	C	Sugar Land Rgnl	SGR	D
	G	 						_			
-	B,G		Coulter Fld	CFD	D	Leona Ranch Pvt	75TX	В	T P Mc Campbell	TFP	
		L	Crane Co	E13	Α	Lewis Ranch Pvt	2TX4	G	T R Funk Inc Pvt	92XS	Н
	C		Cross Triangle Ranch	2XS5	С	Liberty Muni	T78	Е	Taylor Muni	T74	С
-+	G,H		Crystal City Muni	2ØR	G	Live Oak Co	8T6	Н	Teague Muni	68F	D
	3,11	h	Cuddihy Fld Pvt	Ø7TE	H	Livingston Muni	ØØR	E	Terrell Co	6R6	A
		 	Cuero Muni	T71	Ċ	Llano Muni	AQO	C	Texas A and M	83TX	D
	Н							_			
			Curtis Fld	BBD	В	Lochridge Ranch Pvt	TX25	D	The Carter Mem	T91	С
	G,H	[Dan Jones Intl	T51	D	Lockhart Muni	5ØR	С	Tierra Linda Ranch Pvt		С
	C,D,H,I	[David Wayne Hooks	DWH	О	Loma de Cometa Pvt	66TX	G	Tortuga Ranch Pvt	XA93	G
	- 1			MAN	G	Lone Star Exec	CXO	D		CNW	D
I	D,I	 	Del Rio Intl	DRT	В	Longhorn Aux	22XS	C	Tyler Co	Ø9R	Ē
-+	A,B							_			
	B,G		Devine Muni	23R	С		XAØ8	H	Tyra Ranch Pvt	TA81	В
	B,G	[XS93	Н	Madisonville Muni	51R	D	Uno Mas Ranch Pvt	<i>5</i> TS1	G
		[Dilley Arpk	24R	O	Marlin	T15	D	Upton Co	E48	Α
	B,G		Dimmit Co	CZT	G	Mason Co	T92	С	Valley Intl	HRL	Н
\neg	C,D,I	 		XS2Ø	В	Maverick Co Mem Intl	5T9	В	Vaughan Ranch Pvt	TA89	c
\neg	C,H							_			
				XS73	С	Mc Allen Miller Intl	MFE	H	Victoria Rgnl	VCT	
	B,C C	[Draughon-Miller	TPL	С	Mc Gregor Exec	PWG	D	W4 Ranch Pvt	84TE	С
-	Ā	[TS65	В	Mc Kinley Fld	T3Ø	Н		TA7Ø	D
\dashv	Ē	[Duval Co Ranch Co	28TA	Н	Mellon Ranch Pvt	XS59	1	Waco Rgnl	ACT	D
		h	Duval-Freer	T19	H	Menard Co	T5Ø	В	Waldron Fld NOLF	NWL	Н
	Е	 	Eggle Lake	EI A	<u> </u>	Mayia-Limestone Co	IVV	<u></u>	Waiser Air Park	EVO	



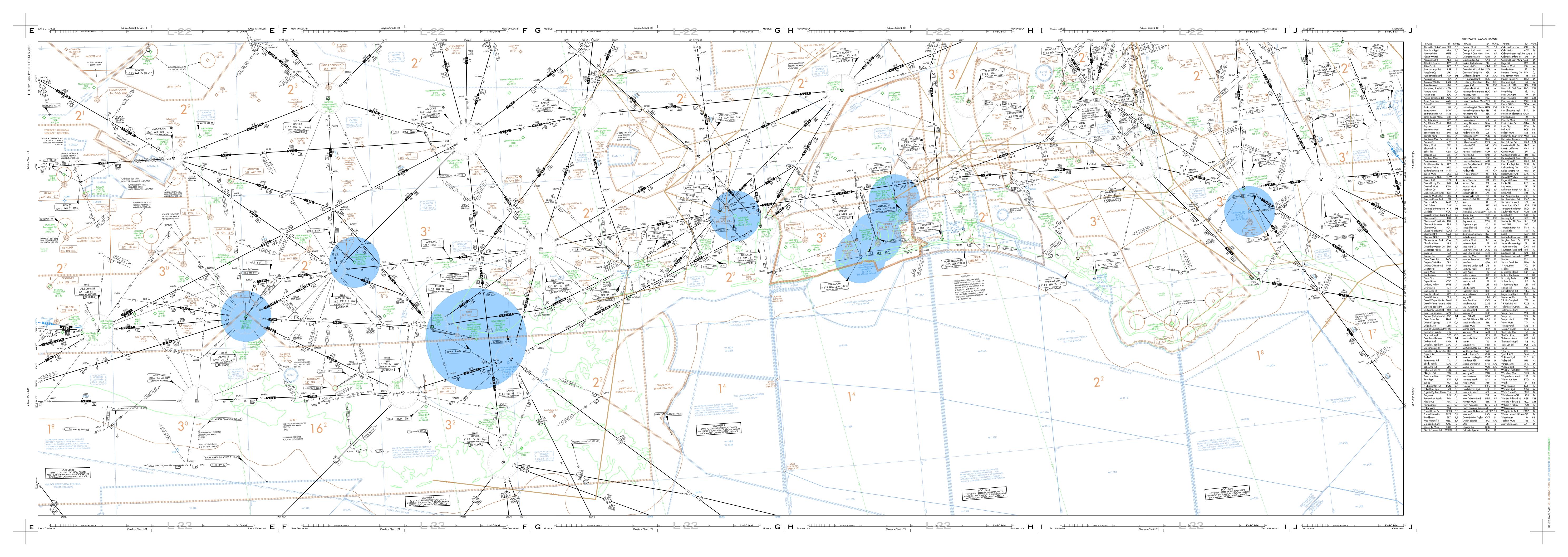
UNITED STATES GOVERNMENT 1"=23 NM FLIGHT INFORMATION PUBLICATION IFR ENROUTE LOW ALTITUDE - U.S. For use up to but not including 18,000' MSL

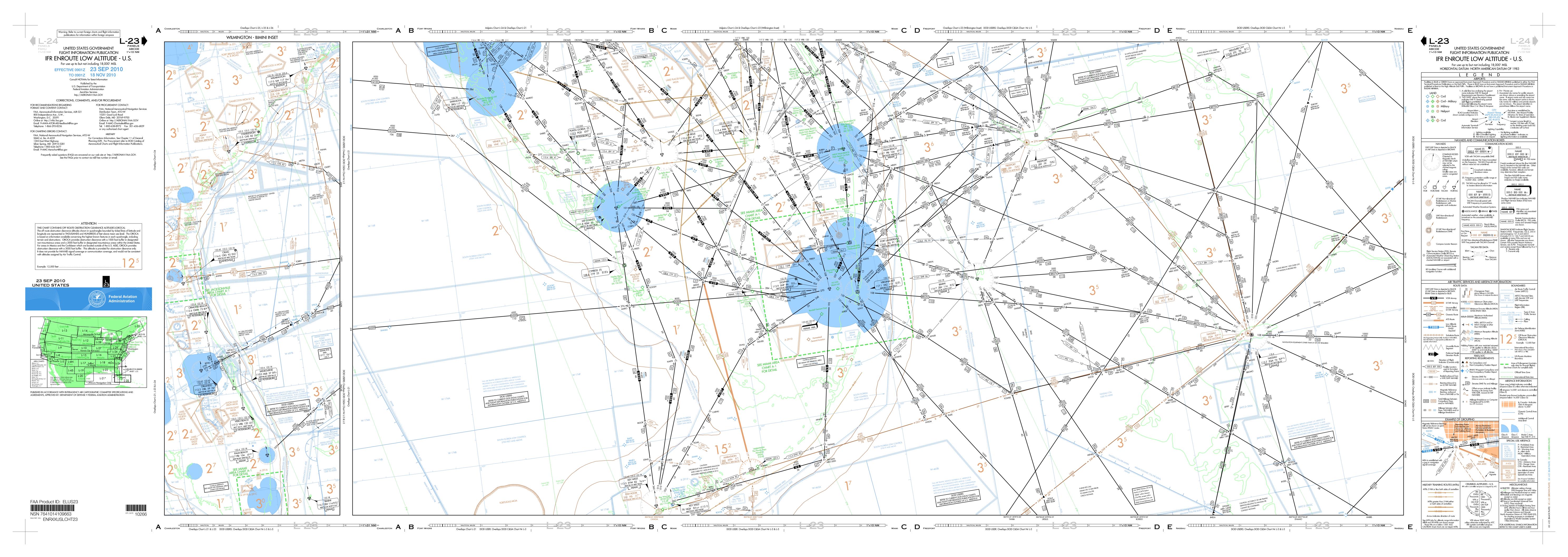
					LICETONITAL DATUM NICETUL AMERICANI DATUM OF 1002
nt 1	By NOTAM 1200-0300Z‡	VFR-IFR	ZJX CNTR/FSS	C,H	HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983
nt *1	By NOTAM 1200-0300Z‡	VFR-IFR	ZJX CNTR/FSS	C,H	L E G E N D
<u>'</u>	1200 030021				AIRPORTS
nt 1	1200-0300Z‡	VFR-IFR	ZJX CNTR/FSS	C,H	Facilities in BLUE or GREEN have an approved Instrument Approach Procedure and/or RADAR MINIMA published in eit
nt 1	1200-0300Z‡	VFR-IFR	ZJX CNTR/FSS	C,H,I	Terminal Procedures Publications or the DoD FUPs. Those in BLUE have an Instrument Approach Procedure and/or RAD, published at least in the High Altitude DoD FLIPs. Facilities in BROWN do not have a published Instrument Approach Procedure.
1	1300-0100Z‡	VFR	ZHU CNTR/FSS	A	RADAR MINIMA.
וי	1330-0400Z‡	VFR-IFR	ZFW CNTR/FSS	E	1. A solid line box enclosing the airport 4. Pvt - Private use
1	1300-0100Z‡	VFR	ZHU CNTR/FSS	A	LAND name indicates FAR 93 Special 5. Associated city names for public
1	1400-0400Z‡	VFR-IFR	ZHU CNTR/FSS	E	Requirements see Directory/Supplement are shown above or preceding
	Sunrise-0600Z‡	VFR-IFR	ZHU CNTR/FSS	A	indicate EAR OI final vice annial the come call the circumstance
	Days 1600-0600Z‡				Orril - Military VFR flight is prohibited City names for military and pr
	Sunrise-0600Z‡	VFR-IFR	ZHU CNTR/FSS	A	3. Cor D following the airport name are not shown. The airport ide
	Days 1600-0600Z‡				
	Sunrise-0600Z‡ 2000-0600Z‡	VFR-IFR	ZHU CNTR/FSS	Α	(H) (H) (H) Heliport Airport Ident CITY Airport Name NOTAM. See Airport Name NOTAM. See Airport Name
nt	Days *1	VFR-IFR	ZMA CNTR/FSS	D	ICAO Location Indicator shown outside contiguous U.S. Airport Name NOTAM. See Airport Name (APT) (ICAO)
1					SEA 280 0★ 43s In Alaska see Supple
1	1100-0700Z‡	VFR-IFR	ZJX CNTR/FSS	ΓQ	d d Civil Airport (A) ★1 09.8 Longest runway le
nt	2300-0300Z‡	VFR-IFR	ZJX CNTR/FSS	D	page at 100 feet
nt	1300-0300Z‡	VFR-IFR	ZJX APP CON	D	Automatic Terminal Part-time Frequency as the dividing po
' 1	1100-0700Z‡	VFR-IFR	ZJX CNTR/FSS	D, I ,J	Information Service Lighting Capability:
1	1100-0700Z‡	VFR-IFR	ZJX CNTR/FSS	D	ι Lighting available - No lighting available
1	1100-0700Z‡	VFR-IFR	ZJX CNTR/FSS	D,I	© Pilot Controlled Lighting At private facilities - indicate
-1.11	1000 0/007+	V/ED IED	ZIV CLITD /ECC		★ Part-time or on request lighting information is availa

	Sun *1	2000-0600Z‡	1 1			0
7000 *2	Intermittent Mon-Fri *1	Days *1	VFR-IFR	ZMA CNTR/FSS	D	
8000 *2	Mon-Fri *1	1100-0700Z‡	VFR-IFR	ZJX CNTR/FSS	D'1	
3000 *2	Intermittent	2300-0300Z‡	VFR-IFR	ZJX CNTR/FSS	D	Ψ
500 To But Not Including 3000	Intermittent	1300-0300Z‡	VFR-IFR	ZJX APP CON	D	
8000 *2	Mon-Fri *1	1100-0700Z‡	VFR-IFR	ZJX CNTR/FSS	D, I ,J	1
100 AGL To But Not Including 8000	Mon-Fri *1	1100-0700Z‡	VFR-IFR	ZJX CNTR/FSS	D	
8000 *2	Mon-Fri *1	1100-0700Z‡	VFR-IFR	ZJX CNTR/FSS	D,I	1
3000 AGL *2	Intermittent *1	1000-0600Z‡	VFR-IFR	ZJX CNTR/FSS	D	
3000 AGL *2	Intermittent *1	1000-0600Z‡	VFR-IFR	ZJX CNTR/FSS	D	
10000 *2	Nmlly Mon-Sat Occasionally	Days Nights To Midnight	VFR-IFR	ZJX CNTR/FSS	C,H	
10000 *2	Mon-Sat	Intermittent Sunrise-0600Z‡	VFR-IFR	PENSACOLA TRACON	C,G,H	VHF/L LF/MF
10000 *2	Mon-Fri *1 Sat *1	1300-0500Z‡ 1400-2100Z‡	VFR-IFR	ZTL CNTR/FSS	G,H	u///
10000 *2	Mon-Fri *1 Sat *1	1300-0500Z‡ 1400-2100Z‡	VFR-IFR	ZTL CNTR/FSS	G,H	
8000 *2	Mon-Fri *1	Days	VFR-IFR	ZHU CNTR/FSS	Α	F
7000 *2	Mon-Fri *1	Days	VFR-IFR	SAN ANTON I O TRACON	A	
8000 *2	Mon-Fri *1	1200-0600Z‡	VFR-IFR	ZJX CNTR/FSS	C,H	
6000 *2	Intermittent *1	Days	VFR-IFR	ZHU CNTR/FSS	C,G	X//1
3000 To But Not Including 6000	Intermittent *1	Days	VFR-IFR	ZHU CNTR/FSS	C,G	1
5000 *2	Intermittent *1	1200-0400Z‡	VFR-IFR	ZMA CNTR/FSS	D	1
9000 *2	Mon-Fri *1	Intermittent Days	VFR-IFR	TYNDALL RAPCON	C,I	
300 AGL To 6000	Mon-Fri *1	Intermittent Days	VFR-IFR	TYNDALL RAPCON	C,D,I	
300 AGL To 6000	Mon-Fri *1	Intermittent Days	VFR-IFR	TYNDALL RAPCON	C,D,I	
300 AGL *2	Mon-Fri *1	Intermittent Days	VFR-IFR	TYNDALL RAPCON	C,D,I	VOR \
300 AGL *2	Mon-Fri *1	Intermittent Days	VFR-IFR	TYNDALL RAPCON	C,D,I	, , ,
1000 AGL *2	Mon-Fri *1	Intermittent Days	VFR-IFR	TYNDALL RAPCON	D,I	
9000 *2	Mon-Fri *1	Intermittent Days	VFR-IFR	TYNDALL RAPCON	C,D,I	
10000 *2	Mon-Fri *1	1300-0400Z‡	VFR-IFR	ZHU CNTR/FSS	A,B,E	*****
100 AGL To But Not Including 10000	Mon-Fri *1	1300-0400Z‡	VFR-IFR	ZHU CNTR/FSS	A,B,E	
10000 *2	Mon-Fri *1	1300-0400Z‡	VFR-IFR	ZHU CNTR/FSS	B,E	.0339/
100 AGL To But Not Including 10000	Mon-Fri *1	1300-0400Z‡	VFR-IFR	ZHU CNTR/FSS	B,E	
10000 *2	Mon-Fri *1	1300-0400Z‡	VFR-IFR	ZHU CNTR/FSS	A,B,E	"""
100 AGL To But Not Including 10000	Mon-Fri *1	1300-0400Z‡	VFR-IFR	ZHU CNTR/FSS	A,B,E	
OTAM g FL 180						

ILS Localizer Course with additional AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION
BOUNDARIES

A ASOS/AWOS THIWAS TWEB





NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE
IR-16	300 AGL TO 6000	IR-47	5000 TO 9000	IR-718	7000 TO 8000
IR-18	5000 TO 7000	IR-48	4000 TO 6000	IR-721	300 AGL TO 8000
IR-19	4000 TO 7000	IR-49	500 AGL TO 6000	VR-25	500 AGL TO 4000
IR-20	6000 TO 8000	IR-50	500 AGL TO 5000	VR-45	500 AGL TO 4000
IR-23	100 AGL TO 4000	IR-51	500 AGL TO 5000	VR-83	500 AGL TO 6500
IR-32	500 AGL TO 6000	IR-53	500 AGL TO 3000	VR-87	100 AGL TO 8000
IR-33	500 AGL TO 6000	IR-55	100 AGL TO 4000	VR-88	100 AGL TO 8000
IR-34	100 AGL TO 3000	IR-56	100 AGL TO 3000	VR-94	100 AGL TO 3000
IR-35	300 AGL TO 4000	IR-62	3000 TO 5000	VR-95	100 AGL TO 4000
IR-36	300 AGL TO 4000	IR-89	100 AGL TO 7000	VR-97	100 AGL TO 8000
IR-46	500 AGL TO 5000	IR-90	100 AGL TO 10000		

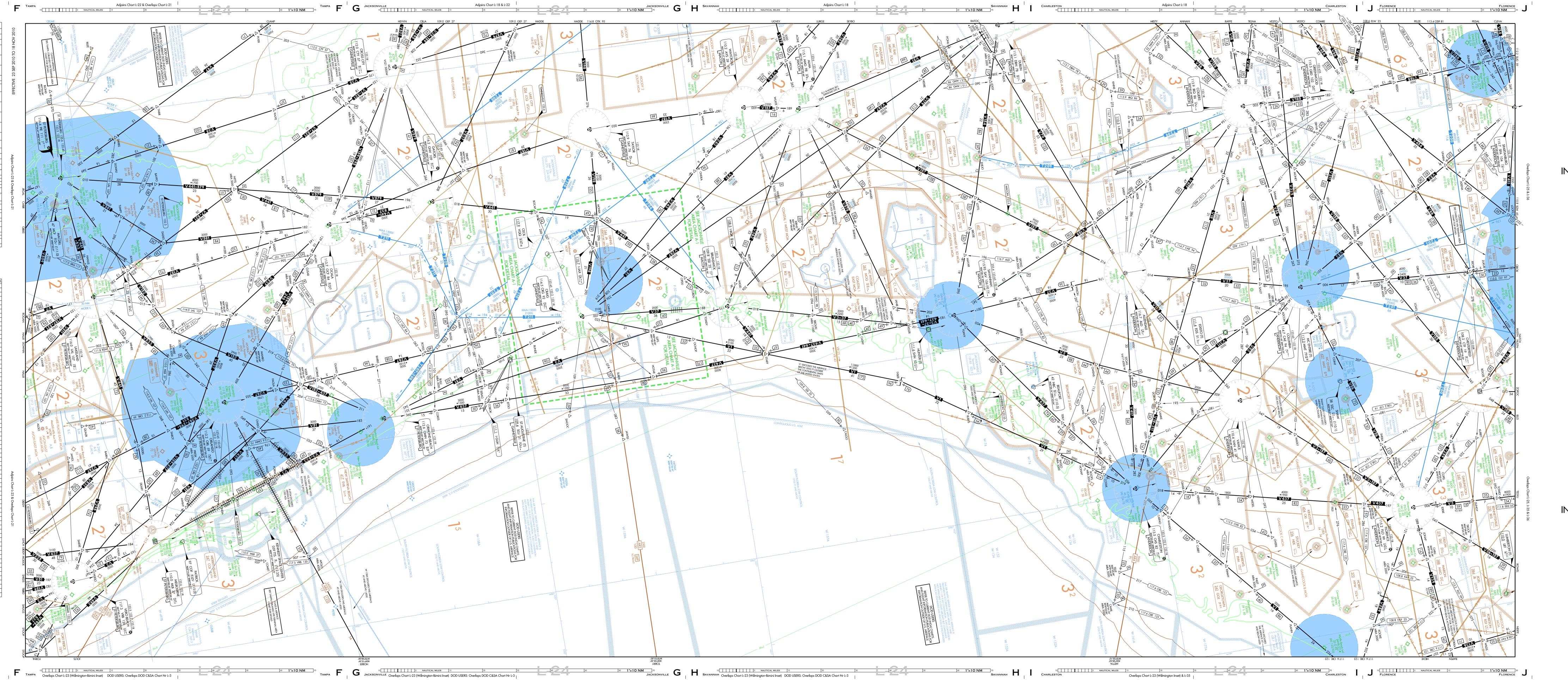
ARTCC three letter idents: Albuquerque ZAB, Atlanta ZTL, Boston ZBW, Chicago ZAU, Cleveland ZOB, Denver ZD Fort Worth ZFW, Houston ZHU, Indianapolis ZID, Jacksonville ZIX, Kansas City ZKC, Los Angeles ZLA, Memphis ZI Miami ZMA, Minneapolis ZMP, New York ZNY, Oakland ZOA, Salt Lake City ZLC, Seattle ZSE, Washington ZDC P - PROHIBITED, R - RESTRICTED, A - ALERT, W - WARNING AREAS CANADA: CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS

	EFFECTIVE		TIMES USED, UTC	1	CONTROLLING AGENCY	$\overline{}$
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	١,
P-50	To But Not Including 3000	Cont	Cont	VFR-IFR	No A/G	Ť
R-2901A	To But Not Including 14000	Intermittent Mon-Fri*1 Sat-Sun*1	1100-0500Z‡ 1300-2300Z‡	VFR-IFR	ZMA CNTR/FSS	1
R-2901B	14000 *2	Intermittent Mon-Fri*1 Sat-Sun*1	1100-0500Z‡ 1300-2300Z‡	VFR-IFR	ZMA CNTR/FSS	1
R-2901C	To But Not Including 14000	Intermittent Mon-Fri*1 Sat-Sun*1	1100-0500Z‡ 1300-2300Z‡	VFR-IFR	ZMA CNTR/FSS	
R-2901D	500 To But Not Including 4000 East of W81°21.00' 1000 AGL To But Not Including 4000 West of W81°21.00'	Intermittent Mon-Fri*1 Sat-Sun*1	1100-0500Z‡ 1300-2300Z‡	VFR-IFR	ZMA CNTR/FSS	
R-2901E	1000 To But Not Including 4000	Intermittent Mon-Fri*1 Sat-Sun*1	1100-0500Z‡ 1300-2300Z‡	VFR-IFR	ZMA CNTR/FSS	Ι
R-2901F	4000 To But Not Including 5000	Intermittent Mon-Fri*1 Sat-Sun*1	1100-0500Z‡ 1300-2300Z‡	VFR-IFR	ZMA CNTR/FSS	Γ
R-2901G	To But Not Including 5000	Intermittent Mon-Fri*1 Sat-Sun*1	1100-0500Z‡ 1300-2300Z‡	VFR-IFR	ZMA CNTR/FSS	
R-2901H	1 000 To But Not Including 4000	Intermittent Mon-Fri*1 Sat-Sun*1	1100-0500Z‡ 1300-2300Z‡	VFR-IFR	ZMA CNTR/FSS	Γ
R-2901 I	1500 To But Not Including 4000	Intermittent Mon-Fri*1 Sat-Sun*1	1100-0500Z‡ 1300-2300Z‡	VFR-IFR	ZMA CNTR/FSS	
R-2901M	4000 To But Not Including 14000	Intermittent Mon-Fri*1 Sat-Sun*1	1100-0500Z‡ 1300-2300Z‡	VFR-IFR	ZMA CNTR/FSS	
R-2901N	5000 To But Not Including 14000 North *3 4000 To But Not Including 14000 South *3	Intermittent Mon-Fri*1 Sat-Sun*1	1100-0500Z‡ 1300-2300Z‡	VFR-IFR	ZMA CNTR/FSS	
R-2903A	To But Not Including 23000	Intermittent Tue-Sun*1	1200-2400Z‡	VFR-IFR	ZMA CNTR/FSS	
R-2903C	To 7000	Intermittent Tue-Sun*1	1200-2400Z‡	VFR-IFR	JACKSONV I LLE TRACON	
R-2903D	To 5000	Intermittent Tue-Sun*1	1200-2400Z‡	VFR-IFR	JACKSONV I LLE TRACON	
R-2904A	To But Not Including 1800	Apr-Aug Cont*1 Sep-Mar Sat-Sun*1	1300-2200Z‡ 1300-2200Z‡	VFR-IFR	JACKSONVILLE TRACON	
R-2906	To 14000	Intermittent*1	1000-0600Z‡	VFR-IFR	JACKSONV I LLE TRACON	T
R-2907A	To FL 230	Intermittent*1	1000-0600Z‡	VFR-IFR	ZJX CNTR/FSS	T
R-2907B	To 9000	Intermittent*1	1000-0600Z‡	VFR-IFR	ZJX CNTR/FSS	
R-2910	FL 230 To 6000 To 9000	Intermittent*1	1000-0600Z‡	VFR-IFR	ZJX CNTR/FSS	
R-2916	To 14000	Cont	Cont	VFR-IFR	ZMA CNTR/FSS	Γ
R-2932	To But Not	Cont	Cont	VFR-IFR	ZMA CNTR/FSS	Γ

R-2001N	K 2701W	Including 14000	Mon-Fri*1 Sat-Sun*1	1100-0500Z‡ 1300-2300Z‡	VIKIK	2404 CHIR/100	^,'
R-2003A	R-2901N	5000 To But Not Including 14000 North *3	Intermittent	1100-0500Z‡	VFR-IFR	ZMA CNTR/FSS	A,F
R. P. P. P. P. P. P. P.		4000 To But Not Including 14000 South *3	Sat-Sun*1	1300-2300Z‡			
R-2903C	R-2903A	To But Not	Intermittent Tue-Sun*1	1200-24007#	VFR-IFR	ZMA CNTR/FSS	A,G
R-20030	R-2903C	To 7000	Intermittent		VFR-IFR	JACKSONVILLE TRACONI	A,G
R.2004A To But Not bedding 1800 April	R-2903D	To 5000	Intermittent		VFR-IFR		A,G
September 1300 220027# VPR FR	R-2904A	To But Not	Tue-Sun*1 Apr-Aug		VFR-IFR	IACKSONVILLE	A.G
R.2905		Including 1800	Sep-Mar			TRACON	, , ,
R.2007A 16 Ft.230 Intermittent** 1 0000-0002H VFRIRE Z.XX CNIR/FSS A,G R.2010 Ft. 2010 6000 Intermittent** 1 000-0602H VFRIRE Z.XX CNIR/FSS A,G R.2010 Ft. 2010 6000 Intermittent** 1 1000-06002H VFRIRE Z.XX CNIR/FSS A,F R.2016 To 14000 Cord Cord VFRIFR ZMA CNIR/FSS A,F R.2013 John Machan Cord Cord VFRIFR ZMA CNIR/FSS A,F R.2023 John Machan	R-2906	To 14000			VFR-IFR	JACKSONVILLE	
R.2907B To 9000 Intermittent*** 1 1000 660024 VFRIFR ZX CNINFYSS A. G. R.2910 F1 230 To 6000 Intermittent*** 1000 660024 VFRIFR ZX CNINFYSS A. F. R.2912 To Jul000 Cont Cont VFRIFR ZXA CNIR/FSS A. F. R.2923 To Jul000 Cont Cont VFRIFR ZNA CNIR/FSS A. F. R.2924 LINATD Intermittent By NOTAM VFRIFR ZNA CNIR/FSS A. F. R.2924 LINATD Intermittent By NOTAM VFRIFR ZNA CNIR/FSS A. F. R.2925 LIOUTD Intermittent By NOTAM VFRIFR ZNA CNIR/FSS A. F. R.2926 To 10000 By NOTAM By NOTAM VFRIFR P. ZNA CNIR/FSS A. F. R.2926 To 10000 By NOTAM By NOTAM VFRIFR ZNA CNIR/FSS A. F. R.2927 To 20000 Con*1 1100 680024 VFRIFR ZIX CNIR/FSS A. F. R.300	R-2907A	To FL 230	Intermittent*1	1000-0600Z‡	VFR-IFR		
16 9000	R-2907B	To 9000		1000-0600Z‡	VFR-IFR	ZJX CNTR/FSS	A,G
R. Page Pa	R-2910	FL 230 To 6000 To 9000	Intermittent*1	1000-0600Z‡	VFR-IFR	ZJX CNTR/FSS	A,F,G
R-2931							
R.2933 5000 to UNITD Intermitent By NOTAM VFR-FR ZMA CNTR/FSS A.F. R.2934 UNITD Intermitent By NOTAM VFR-FR ZMA CNTR/FSS A.F. R.2935 1 10000 to UNITD Intermitent By NOTAM VFR-FR ZMA CNTR/FSS A.F. R.2936 1 0 10000 By NOTAM By NOTAM VFR-FR PAM BACH ATCT A.C. R.3004A 1 70 7000 By NOTAM By NOTAM VFR-FR ZIL CHIR/FSS I R.3004B 700 1 To 1600 By NOTAM By NOTAM VFR-FR ZIL CHIR/FSS I R.3007A 1 To But Not Including 13000 Mon-Fri 11000-080024 VFR-FR ZIX CHIR/FSS A.H R.3007D 1 200 AGG 1 to But Not Including 13000 Mon-Fri 1200-030024 VFR-FR ZIX CHIR/FSS A.H R.3007D 1 100 AGG 1 to But Not Including 13000 Mon-Fri 1200-030024 VFR-FR ZIX CHIR/FSS A.H R.3007D 1 3000 to 16 12:20 Mon-Fri 1200-030024 VFR-FR Z	R-2932	To But Not Including 5000	Cont	Cont	VFR-IFR	ZMA CNTR/FSS	A,F
R.2935 11000 to UNITD Intermittent By NOTAM VFR.FR ZMA CNIR/FSS A.F. R.2936 To 10000 by NOTAM By NOTAM VFR.FR PAMEACH ATCT A.C. R.3004A To 7000 By NOTAM By NOTAM VFR.FR ZIL CHIR/FSS I. R.3004B To 2000 Cont*T 1100-08002th VFR.FR ZIX CHIR/FSS A.H. R.3007A To 2000 Cont*T 1100-08002th VFR.FR ZIX CHIR/FSS A.H. R.3007A To Rob Mor Mon-Fri 1200-03002th VFR.FR ZIX CHIR/FSS A.H. R.3007B 1200 AGC To But Mon-Fri 1200-03002th VFR.FR ZIX CHIR/FSS A.H. R.3007C 100 AGC To But Mon-Fri 1200-03002th VFR.FR ZIX CHIR/FSS A.H. R.3007D 13000 To FL 250 Mon-Fri 1200-03002th VFR.FR ZIX CHIR/FSS A.H. R.3008D 100 Or To But Not Mon-Fri*1 1200-03002th VFR.FR ZIX CHIR/FSS A.H.	R-2933	5000 to UNLTD	Intermittent	By NOTAM	VFR-IFR	ZMA CNTR/FSS	A,F
R.2936							
R-3004A							
R-3004B							
R-3005A_D_E							
R-3005C To 29000 Cont* 1100-08002t VFR-FR ZJX CNTR/FSS A,H R-3007A To But Not Including 13000 Mon-Fri 1200-03002t VFR-FR ZJX CNTR/FSS A,H R-3007B Not Including 13000 Mon-Fri 1200-03002t VFR-FR ZJX CNTR/FSS A,H R-3007C Not Including 13000 Mon-Fri 1200-03002t VFR-FR ZJX CNTR/FSS A,H R-3007D Not Including 13000 Mon-Fri 1200-03002t VFR-FR ZJX CNTR/FSS A,H R-3008D Not Including 13000 Mon-Fri 1200-03002t VFR-FR ZJX CNTR/FSS A,H R-3008D S00 AGL To 10000 Mon-Fri 1200-03002t VFR-FR USAF VALDOSTA APP CON G,H R-3008D Not Including 1200 Mon-Fri 1200-03002t VFR-FR USAF VALDOSTA APP CON G,H R-3008D To But Not Mon-Fri 1100-23002t VFR-FR USAF VALDOSTA APP CON G,H R-3030A To But Not Mon-Fri 1100-23002t VFR-FR USAF VALDOSTA APP CON G,H R-3030A To But Not Mon-Fri 1100-23002t VFR-FR USAF VALDOSTA APP CON G,H R-3030A To But Not Mon-Fri 1100-23002t VFR-FR CHERRY PT MCAS A R-3030A To But Not Mon-Fri 1100-23002t VFR-FR CHERRY PT MCAS A R-3030A To But Not Mon-Fri 1100-23002t VFR-FR CHERRY PT MCAS A R-3030A To But Not Mon-Fri 1100-23002t VFR-FR CHERRY PT MCAS A R-3030A To But Not Mon-Fri 1100-23002t VFR-FR ZDC CNTR/FSS A R-304B 7000 To But Not Mon-Fri 1100-23002t VFR-FR CHERRY PT MCAS A R-304B 7000 To But Not Mon-Fri 1100-23002t VFR-FR CHERRY PT MCAS A R-306D 72 Cont Cont VFR-FR CHERRY PT MCAS A R-306D 72 Cont Cont VFR-FR CHERRY PT MCAS A R-306D 72 Cont Cont VFR-FR ZDC CNTR/FSS A R-306D 72 Cont Cont VFR-FR ZDC CNTR/FSS A R-3011A To But Not Mon-Fri 1100-25002t VFR-FR ZDC CNTR/FSS A R-3011A To But Not Mon-Fri 1100-25002t VFR-FR ZDC CNTR/FSS A R-3011A To 3000 Doys 1100-50002t VFR No A/G A R-3011A To 3000 Doys 1100-50002t VFR No A/G A R-3011A To 3000 Doys 1100-50002t VFR							
R-3007A							
R-5007B 1200 ACI To But Mon-Fri 1200-0300ZP VFR-IFR ZJX CNTR/FSS A,H			Cont ⁻ I				
R-3007B 1200 AGLT to But Mon-Fri 1200-030027 VFR-IFR ZJK CNTR/FSS A,H		Including 13000		· ·		·	
Not Including 13000 Mon-Fri 1200-03002F VFR-FR ZJX CNTR/FSS A, H R-3008C 500 AGL To 10000 Mon-Fri 1200-03002F VFR-FR USAF VALDOSTA APP CON G, H R-3008D 10000 To But Not Mon-Fri 1200-03002F VFR-FR USAF VALDOSTA APP CON G, H R-3003A To But Not Mon-Fri 1200-03002F VFR-FR USAF VALDOSTA APP CON G, H R-3003A To But Not Mon-Fri 1100-23002F VFR-FR USAF VALDOSTA APP CON G, H R-3003A To But Not Mon-Fri 1100-23002F VFR-FR CHERKY PT MCAS A APP CON AP		1200 AGL To But Not Including 13000				·	
R-3008C		100 AGL To But Not Including 13000				· ·	
R-3008B							
Including FL 230							
R-5303B		Including FL 230			VFR-IFR		G,н
R-5303C 10000*2 By NOTAM By NOTAM VFR.IFR ZDC CNTR/FSS A R-5304A To But Not Including 7000 Mon-Fri*1 1100-2300Z‡ VFR.IFR CHERRY PT MCAS APCON A R-5304B 7000 To But Not Including 10000 By NOTAM By NOTAM VFR.IFR CHERRY PT MCAS APCON A R-5304C 10000*2 By NOTAM By NOTAM VFR.IFR ZDC CNTR/FSS A R-5306C 1200*2 Cont Cont VFR.IFR CHERRY PT MCAS APCON A R-5306D *2 Cont Cont VFR.IFR CHERRY PT MCAS APCON A R-531B To But Not Including 7000 Cont Cont VFR.IFR CHERRY PT MCAS APCON A R-531B 7000 To But Not Including 12000 Cont Cont VFR.IFR ZDC CNTR/FSS A R-531C 12000 To But Not Including 12000 Cont Cont VFR.IFR ZDC CNTR/FSS A R-6001A To 3200 Intermittent 11300-0500Z‡ VFR.IFR ZJX CNTR/FSS <td< td=""><td></td><td>Including 7000</td><td></td><td></td><td></td><td>CHERRY PT MCAS APP CON</td><td></td></td<>		Including 7000				CHERRY PT MCAS APP CON	
R-5304A		Including 10000	·	,			
R-5304B							
R-5304B 7000 To But Not Including 10000 By NOTAM By NOTAM VFR-IFR APP CON CHERRY PT MCAS APP CON AP CON R-5304C 10000*2 By NOTAM By NOTAM VFR-IFR ZDC CNTR/FSS A R-5306D 1200*2 Cont Cont VFR-IFR CHERRY PT MCAS APP CON A R-5306D *2 Cont Cont VFR-IFR CHERRY PT MCAS APP CON A R-5306E *2 Cont Cont VFR-IFR CHERRY PT MCAS APP CON A R-531LA To But Not Including 7000 Cont Cont VFR-IFR ZDC CNTR/FSS A R-531LD To But Not Including 12000 Cont Cont VFR-IFR ZDC CNTR/FSS A R-601A To 3200 Intermittent 11300-05002‡ VFR-IFR ZJX CNTR/FSS AJ R-6001A To 3200 Intermittent 1100-05002‡ VFR-IFR ZJX CNTR/FSS AJ R-6001B 32000 To But Not Including 13000 Intermittent 1100-05002‡ VFR-IFR ZJX CNTR/FSS		Including 7000		· ·		APP CON	
R-5304C 10000*2 By NOTAM By NOTAM VFR-IFR ZDC CNTR/FSS A R-5306C 1200*2 Cont Cont VFR-IFR CHERRY PT MCAS APP CON A R-5306D *2 Cont Cont VFR-IFR CHERRY PT MCAS APP CON A R-5306E *2 Cont Cont VFR-IFR CHERRY PT MCAS APP CON A R-5311A To But Not Including 2000 Cont Cont VFR-IFR ZDC CNTR/FSS A R-5311B 7000 To But Not Including 12000 Cont Cont VFR-IFR ZDC CNTR/FSS A R-5311C 12000 To But Not Including FL 290 Cont Cont VFR-IFR ZDC CNTR/FSS A R-6001A To 3200 Intermittent 1130-05002‡ VFR-IFR ZJX CNTR/FSS AJ R-6001B 3200 To Ft 230 Intermittent 1130-05002‡ VFR-IFR ZJX CNTR/FSS AJ R-6002B 13000 To But Not Including Ft 180 Intermittent 1100-05002‡ VFR-IFR ZJX CNTR/FSS AJ <td>R-5304B</td> <td>7000 To But Not</td> <td>By NOTAM</td> <td>By NOTAM</td> <td>VFR-IFR</td> <td>CHERRY PT MCAS APP CON</td> <td>Α</td>	R-5304B	7000 To But Not	By NOTAM	By NOTAM	VFR-IFR	CHERRY PT MCAS APP CON	Α
R-5306C	R-5304C	10000*2	By NOTAM	By NOTAM	VFR-IFR		Α
R-5306D *2 Cont Cont VFR-FR APP CON APP CON	R-5306C	1200*2		Cont	VFR-IFR	CHERRY PT MCAS	Α
R-5306E *2 Cont Cont VFR-IFR CHERRY PT MCAS ARP-CON	R-5306D	*2	Cont	Cont	VFR-IFR	CHERRY PT MCAS	Α
R-5311A To But Not Including 7000 Cont Cont VFR-IFR ZDC CNTR/FSS A R-5311B 7000 To But Not Including 12000 Cont Cont VFR-IFR ZDC CNTR/FSS A R-5311C 12000 To But Not Including FL 290 Cont Cont VFR-IFR ZJX CNTR/FSS A R-6001A To 3200 Intermittent 1130-05002‡ VFR-IFR ZJX CNTR/FSS AJ R-6001B 3200 To FL 230 Intermittent 1130-05002‡ VFR-IFR ZJX CNTR/FSS AJ R-6002A To But Not Including 13000 Intermittent Including 13000 Mon-Fri *1 1100-05002‡ VFR-IFR ZJX CNTR/FSS AJ R-6002B 13000 To But Not Including FL 180 Intermittent Mon-Fri *1 1100-05002‡ VFR-IFR ZJX CNTR/FSS AJ A-291A To 2500 Doys 1100-05002‡ VFR No A/G AC A-291B To 3900 Doys 1100-05002‡ VFR No A/G AC A-291C To 2500 Doys 1100-05002† VFR <td>R-5306E</td> <td>*2</td> <td>Cont</td> <td>Cont</td> <td>VFR-IFR</td> <td>CHERRY PT MCAS</td> <td>Α</td>	R-5306E	*2	Cont	Cont	VFR-IFR	CHERRY PT MCAS	Α
R-5311B	R-5311A	To But Not	Cont	Cont	VFR-IFR		A
Re-5311C 12000 1 But Not	R-5311B	Including 7000	Cont	Cont	VFP.IFP	ZDC CNTR/ESS	Δ
Including FL 290		Including 12000					
R-6001B 3200 To FL 230 Intermittent 1130-0500Z‡ VFR-IFR ZJX CNTR/FSS A.J R-6002A To But Not Including 13000 Intermittent Mon-Fri *1 Sar*1 1100-0500Z‡ VFR-IFR ZJX CNTR/FSS A.J R-6002B 13000 To But Not Including FL 180 Intermittent Mon-Fri *1 Sar*1 1300-2100Z‡ VFR-IFR ZJX CNTR/FSS A.J A-291A To 2500 Days 1100-0500Z‡ VFR No A/G A.C A-291B To 3900 Days 1100-0500Z‡ VFR No A/G A.C A-291D To 3900 Days 1100-0500Z‡ VFR No A/G A.C A-291D To 3900 Days 1100-0500Z‡ VFR No A/G A.C A-291D To 3900 Days 1100-0500Z‡ VFR No A/G A.C A-531 200 AGL To 1500 Mon-Fri Intermittent Intermittent VFR-IFR No A/G A.C W-74 To 10000 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A.H		Including FL 290					
R-6002A							
Including 13000 Mon-Fri 1 1100-05002‡				1130-0500ZŦ			
Including FL 180		Including 13000	Mon-Fri *1 Sat*1	1100-0500Z‡ 1300-2100Z‡	VFK-IFK	·	
A-291A To 2500 Doys 1100-05002† VFR No A/G A.C A-291B To 3900 Doys 1100-05002† VFR No A/G A.C A-291C To 2500 Doys 1100-05002† VFR No A/G A.C A-291D To 3900 Doys 1100-05002† VFR No A/G A.C A-531 200 AGL To 1500 Mon-Fri Intermittent VFR-IFR No A/G A.C W-74 To 10000 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A.H. W-122 UNITD Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A.H. W-1328 To FL 240 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A.H. W-133 To 4500 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A.H.J.	R-6002B	13000 To But Not Including FL 180	Mon-Fri *1		VFR-IFR	ZJX CNTR/FSS	A,I
A-291C To 2500 Days 1100-0500Z‡ VFR No A/G A,C A-291D To 3900 Days 1100-0500Z‡ VFR No A/G A,C A-531 200 AGL To 1500 Mon-Fri Intermittent VFR-IFR No A/G A W-74 To 10000 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H, W-122 UNLTD Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A W-132A UNLTD Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H,I W-132B To FL 240 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H,I W-133 To 4500 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H,I			Days	1100-0500Z‡			
A-291D To 3900 Days 1100-0500Z‡ VFR No A/G A,C A-531 200 AGL To 1500 Mon-Fri Intermittent VFR-IFR No A/G A W-74 To 10000 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H, W-122 UNITD Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A W-132A UNITD Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H,I W-132B To FL 240 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H,I W-133 To 4500 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H,I							
A-531 200 AGL To 1500 Mon-Fri Sol-Sun Intermittent 1100-05002† VFR-IFR 100-05002† No A/G A W-74 To 10000 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H, W-122 UNLTD Intermittent By NOTAM VFR-IFR ZDX CNTR/FSS A W-132A UNLTD Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H,I W-132B To FL 240 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A W-133 To 4500 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H,I			Days				
Sol-Sun							
W-74 To 10000 Intermittent By NOTAM VFR-FR ZJX CNTR/FSS A,H, W-122 UNITD Intermittent By NOTAM VFR-FR ZDX CNTR/FSS A W-132A UNITD Intermittent By NOTAM VFR-FR ZJX CNTR/FSS A,H,I W-132B To Ft 240 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A W-133 To 4500 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H,I	A-531	200 AGL To 1500		1100-0500Z‡	VFR-IFR	No A/G	A
W-132A UNLTD Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H,I W-132B To FL 240 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A W-133 To 4500 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H,I			Intermittent	By NOTAM			A,H,I
W-132B To FL 240 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A W-133 To 4500 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H,I							
W-133 To 4500 Intermittent By NOTAM VFR-IFR ZJX CNTR/FSS A,H,I				By NOTAM			A,H,I
				By NOTAM			
	W-133 W-134	To 4500 4500 To UNLTD	Intermittent	By NOTAM By NOTAM		ZJX CNTR/FSS ZJX CNTR/FSS	
W-134 4500 To UNLTD Intermittent By NOTAM VFR-FR ZJX CNTR/FSS A,H,I		4300 10 UNLID	Cook	By NOIAM		ZIX CHTR/FSS	A,H,

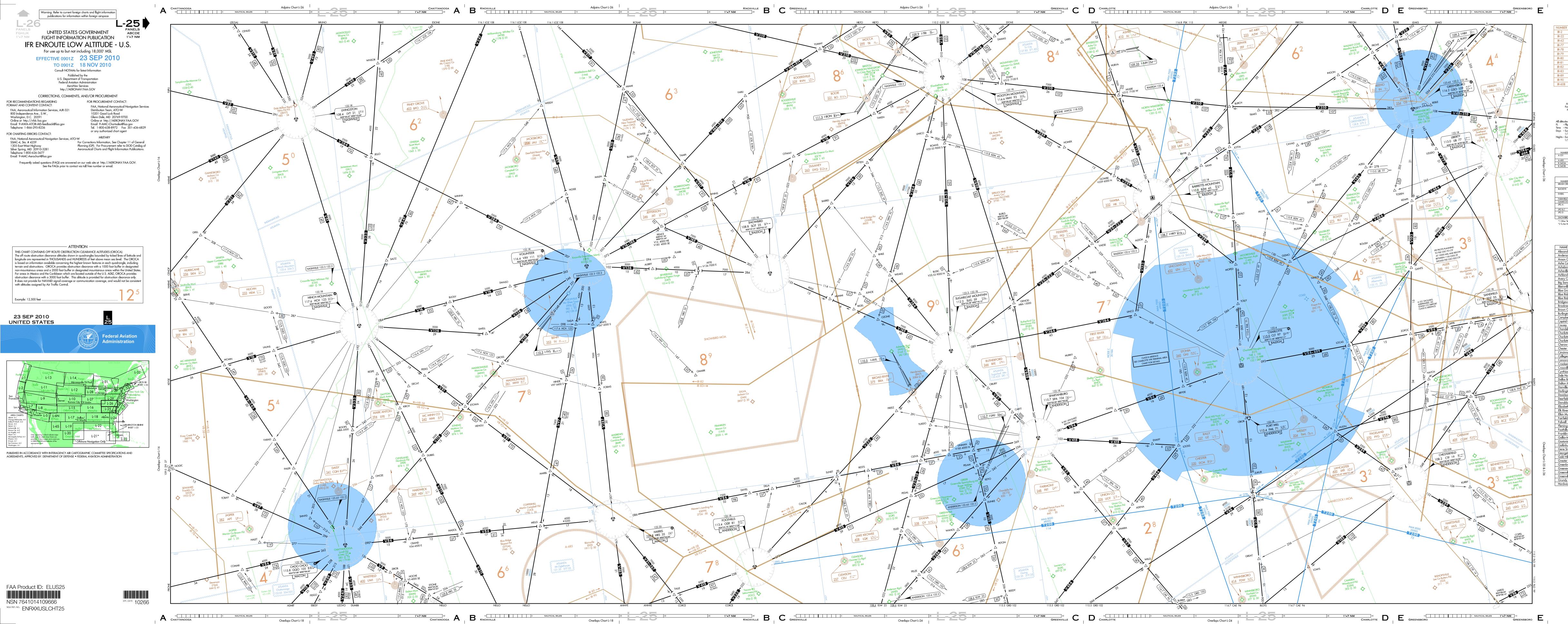
l l	EFFECT I VE		TIMES USED, UTC		CONTROLLING AGENCY
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL
AVON EAST	500 AGL To But Not Including 14000	Mon-Fri *1	Intermittent Days	VFR-IFR	ZMA CNTR/FSS
AVON EAST H I GH	14000 *2	Intermittent Mon-Fri *1	Days *1	VFR-IFR	ZMA CNTR/FSS
BASINGER	500 AGL To 5000	Mon-Fri	Intermittent Days	VFR-IFR	ZMA CNTR/FSS
BEAUFORT 1	100 AGL To 10000	Sat-Sun	By NOTAM	\/FD FD	TIV CNITD /FCC
BEAUFORT	100 AGL 16 10000	Intermittent 2 Days Per Month By NOTAM	4 Dalgt Hrs Per Day	VFR-IFR	ZJX CNTR/FSS
BEAUFORT 2	100 AGL To 7000	Intermittent 2 Days Per Month By NOTAM	4 Dalgt Hrs Per Day	VFR-IFR	ZJX CNTR/FSS
BEAUFORT 3	100 AGL To 2000	Intermittent 2 Days Per Month By NOTAM	4 Dalgt Hrs Per Day	VFR-IFR	ZJX CNTR/FSS
BULLDOG A	500 AGL To But Not Including 10000	Intermittent *1	1200-0500Z‡	VFR-IFR	ZTL CNTR/FSS
BULLDOG B	10000 *2	Intermittent *1	1200-0500Z‡	VFR-IFR	ZTL CNTR/FSS
BULLDOG D	500 AGL To 17000	Intermittent Mon-Fri In Conjunction Wi	1300-2300Z‡ ith R-3004	VFR-IFR	ZTL CNTR/FSS
COASTAL 1	300 AGL *2	Intermittent		VFR-IFR	ZJX CNTR/FSS
EAST, 1 WEST, 2, 5		Mon-Fri Sat-Sun	1200-0300Z‡ 1200-0300Z‡ By NOTAM		
COASTAL 4	14000 *2	Intermittent Mon-Fri Sat-Sun	1200-0300Z‡ 1200-0300Z‡ By NOTAM	VFR-IFR	ZJX CNTR/FSS
COASTAL 6, 7	10001 *2	Intermittent Mon-Fri Sat-Sun	1200-0300Z‡ 1200-0300Z‡ By NOTAM	VFR-IFR	ZJX CNTR/FSS
COASTAL 8	11000 *2	Intermittent Mon-Fri Sat-Sun	1200-0300Z‡ 1200-0300Z‡ By NOTAM	VFR-IFR	ZJX CNTR/FSS
FORT BRAGG SOUTH A	500 AGL To 6000	Mon-Fri Sat-Sun	Intermittent 1200-0500Z‡ By NOTAM	VFR-IFR	FAYETTEVILLE ACTC TOWER
FORT BRAGG SOUTH B	1500 AGL To 6000	Mon-Fri Sat-Sun	Intermittent 1200-0500Z‡ By NOTAM	VFR-IFR	FAYETTEVILLE ACTC TOWER
FORT STEWART B1	500 AGL To 4999	Intermittent Mon-Fri *1	1100-0300Z‡	VFR-IFR	ZJX CNTR/FSS
FORT STEWART B2	5000 To 10000	By NOTAM	By NOTAM	VFR-IFR	ZJX CNTR/FSS
FORT STEWART	500 AGL To 2999	Intermittent	1100 000074	VFR-IFR	ZJX CNTR/FSS
C1 FORT STEWART	3000 To 10000	Mon-Fri *1 By NOTAM	1100-0300Z‡ By NOTAM	VFR-IFR	ZJX CNTR/FSS
GAMECOCK A	7000 *2	Intermittent	1130-0330Z‡	VFR-IFR	ZDC CNTR/FSS
		Mon-Fri *1			
GAMECOCK B GAMECOCK C	10000 *2 100 AGL To 10000	Intermittent *1	1300-0500Z‡ 1300-0500Z‡	VFR-IFR VFR-IFR	ZJX CNTR/FSS ZJX CNTR/FSS
GAMECOCK D	10000 *2	Intermittent *1	1300-0500Z‡	VFR-IFR	ZJX CNTR/FSS
GAMECOCK I	100 AGL To 6000	Intermittent *1	1300-0500Z‡	VFR-IFR	ZJX CNTR/FSS
HATTERAS F	3000 To But Not Including 13000	Mon-Fri *1	1200-0300Z‡	VFR-IFR	ZDC CNTR/FSS
LAKE PLACID EAST, WEST, NORTH	7000 *2	Intermittent Mon-Fri *1	Days *1	VFR-IFR	ZMA CNTR/FSS
LIVE OAK	8000 *2	Mon-Fri *1	1100-0700Z‡	VFR-IFR	ZJX CNTR/FSS
MARIAN	500 AGL To 5000	Intermittent Mon-Fri *1	Days *1	VFR-IFR	ZMA CNTR/FSS
MAYPORT HIGH	3000 *2	Intermittent	2300-0300Z‡	VFR-IFR	ZJX CNTR/FSS
MAYPORT LOW	500 To But Not Including 3000	Intermittent	1300-0300Z‡	VFR-IFR	ZJX APP CON
MOODY 1	8000 *2	Mon-Fri *1	1100-0700Z‡	VFR-IFR	ZJX CNTR/FSS
NORTH	Including 8000	Mon-Fri *1	1100-0700Z‡	VFR-IFR	ZJX CNIR/F55
MOODY 2 SOUTH	500 To But Not Including 8000	Mon-Fri *1	1100-0700Z‡	VFR-IFR	ZJX CNTR/FSS
PALATKA 1	3000 AGL *2	Intermittent *1	1000-0600Z‡	VFR-IFR	ZJX CNTR/FSS
PALATKA 2	3000 AGL *2	Intermittent *1	1000-0600Z‡	VFR-IFR	ZJX CNTR/FSS
POINSETT	300 AGL To 2500	Mon-Fri *1 Sat *1	1100-0500Z‡ 1300-2100Z‡	VFR-IFR	USAF SHAW APP CON
TORTUGAS	5000*2	Intermittent*1	1300-21002†	VFR-IFR	ZMA CNTR/FSS

NAME ID PANEL NAME ID PANEL Alkan Muni AIK I Hester Ammi 6A2 I Commord Beach Muni OR Airglodes 2IS C Hidden Lake PM FA40 F Page FId Allard Whited SPG F Hillion Neod HOD H Pogeland PM Allendole Co 880 I Homerville HOE H Pogeland PM Allendole Co 880 I Homerville HOE H Pogeland PM Allendole Co 880 I Homerville HOE H Pogeland PM Allendole Co 880 I Homerville HOE H Polloths Muni-Li Koy 21 C Archard Muni Nö6 B Homestead ARB HST C Palm Beach Co Glodes PM Arrhur Durn Air Park X21 F Homestead General X31 C Palm Beach Co Fark IN Augusta Rgn1 ACS I Hondrosso PM SC42 I Palm Beach Co Fark IN Augusta Rgn1 ACS I Hondrosso PM SC42 I Palm Beach Co Fark IN Augusta Rgn1 ACS I Hondrosso PM SC42 I Palm Beach HOE Allendosso PM SC42 I Palm Beach HOE Allendosso PM SC42 I Palm Beach For Palm Beach Fo



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| NUMBER | ALTITUDE RANGE | NUMBER | ALTITUDE RANGE | R-2 | 100 AGL TO 9000 | IR-714 | SURFACE TO 6000 | VR-42 | 100 AGL TO 10500 | IR-72 | 9000 TO 10000 | IR-715 | 3000 TO 8000 | VR-43 | 100 AGL TO 10500 | IR-77 | 5000 | IR-718 | 7000 TO 8000 | VR-83 | 500 AGL TO 6000 | IR-77 | 5000 | IR-719 | 5000 TO 8000 | VR-83 | 500 AGL TO 6500 | IR-78 | 6000 | IR-720 | 5000 TO 8000 | VR-86 | 500 AGL TO 3000 | IR-79 | 7000 TO 10000 | IR-721 | 300 AGL TO 8000 | VR-87 | 100 AGL TO 8000 | IR-80 | 8000 TO 10000 | IR-723 | 9000 TO 10000 | VR-88 | 100 AGL TO 8000 | IR-81 | 9000 TO 10000 | IR-724 | 100 AGL TO 10000 | VR-92 | 100 AGL TO 8000 | IR-82 | 9000 TO 10000 | IR-743 | 100 AGL TO 9000 | VR-93 | 100 AGL TO 8000 | IR-83 | 9000 TO 10000 | IR-743 | 100 AGL TO 9000 | VR-95 | 100 AGL TO 8000 | IR-89 | 100 AGL TO 7000 | IR-761 | SURFACE TO 7000 | VR-96 | 500 AGL TO 6500 | IR-90 | 100 AGL TO 10000 | IR-762 | SURFACE TO 9000 | VR-97 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 10000 | IR-762 | SURFACE TO 9000 | VR-97 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 10000 | IR-762 | SURFACE TO 9000 | VR-97 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 10000 | IR-762 | SURFACE TO 9000 | VR-97 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 10000 | IR-762 | SURFACE TO 9000 | VR-97 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 10000 | IR-762 | SURFACE TO 9000 | VR-97 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 10000 | IR-762 | SURFACE TO 9000 | VR-97 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 10000 | IR-762 | SURFACE TO 9000 | VR-97 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 10000 | IR-762 | SURFACE TO 9000 | VR-97 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 10000 | IR-762 | SURFACE TO 9000 | VR-97 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 10000 | IR-762 | SURFACE TO 9000 | VR-97 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 8000 | IR-90 | 100 AGL TO 8000 | IR-90 | 100 AGL

ARTCC Ihree letter idents: Albuquerque ZAB, Atlanta ZTL, Boston ZBW, Chicago ZAU, Cleveland ZOB, Den Fort Worth ZFW, Houston ZHU, Indianapolis ZID, Jacksonville ZJX, Kansas City ZKC, Los Angeles ZLA, Mem Miami ZMA, Minneapolis ZMP, New York ZNY, Oakland ZOA, Salt Lake City ZLC, Seattle ZSE, Washingt P - PROHIBITED, R - RESTRICTED, A - ALERT, W - WARNING AREAS CANADA: CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS

 1/2 hr after sunset to 1/2 hr before sunrise

 SPECIAL USE AIRSPACE

 IMES USED, UTC
 CONTROLLING AGENCY

 NUMBER
 ALTITUDE
 DAYS
 HOURS
 WEATHER
 A/G CALL
 PANEL

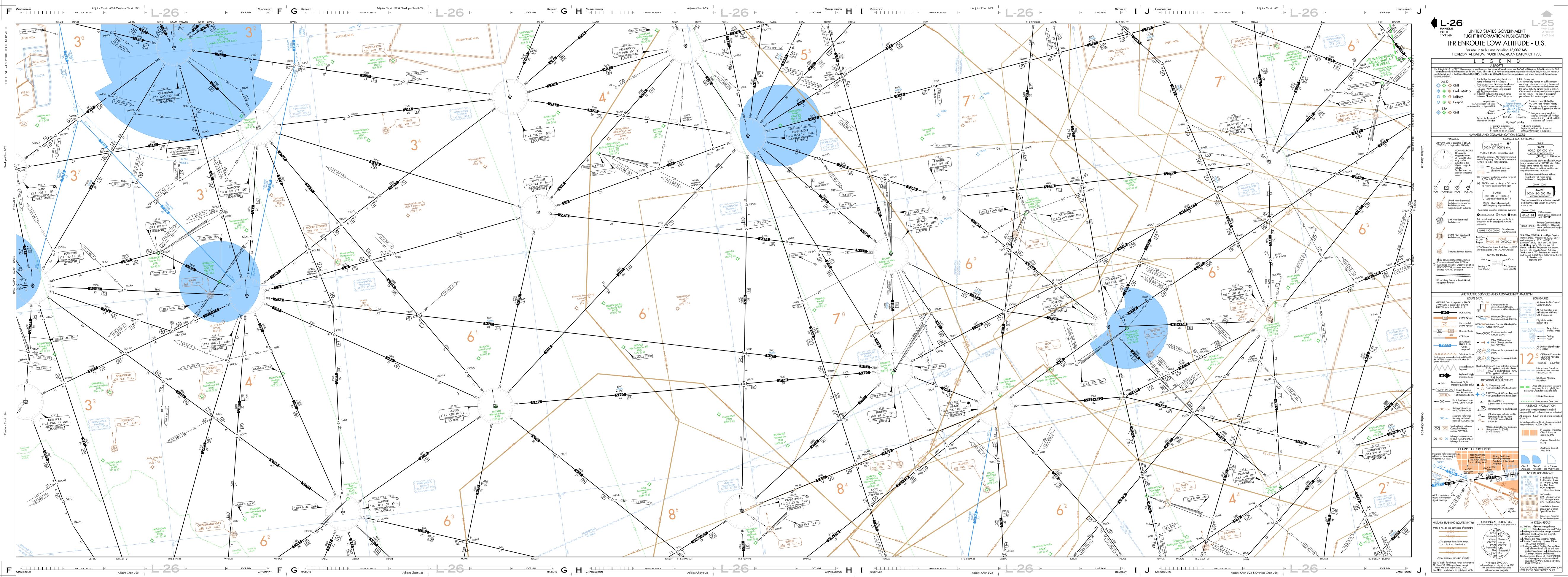
 531
 200 AGL To 1500
 Intmt Mon-Fri
 1100-05002+
 VFR-FR
 No A/G
 E

 685
 To 700 AGL
 Intermittent
 Sunrise To Sunset
 VFR-FR
 No A/G
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 To 43000
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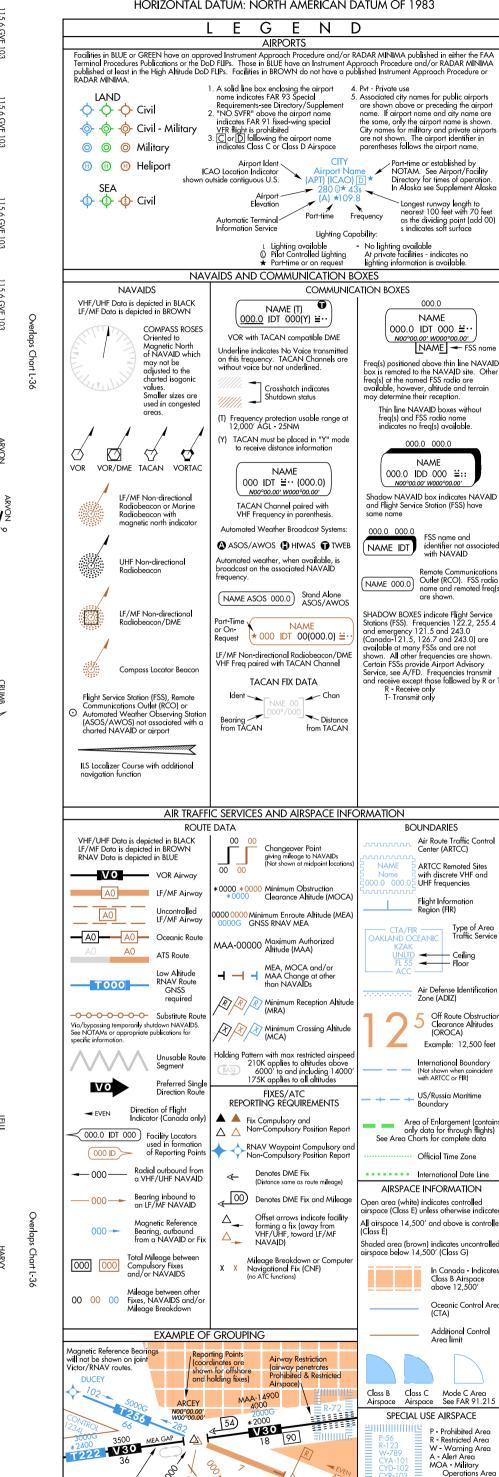
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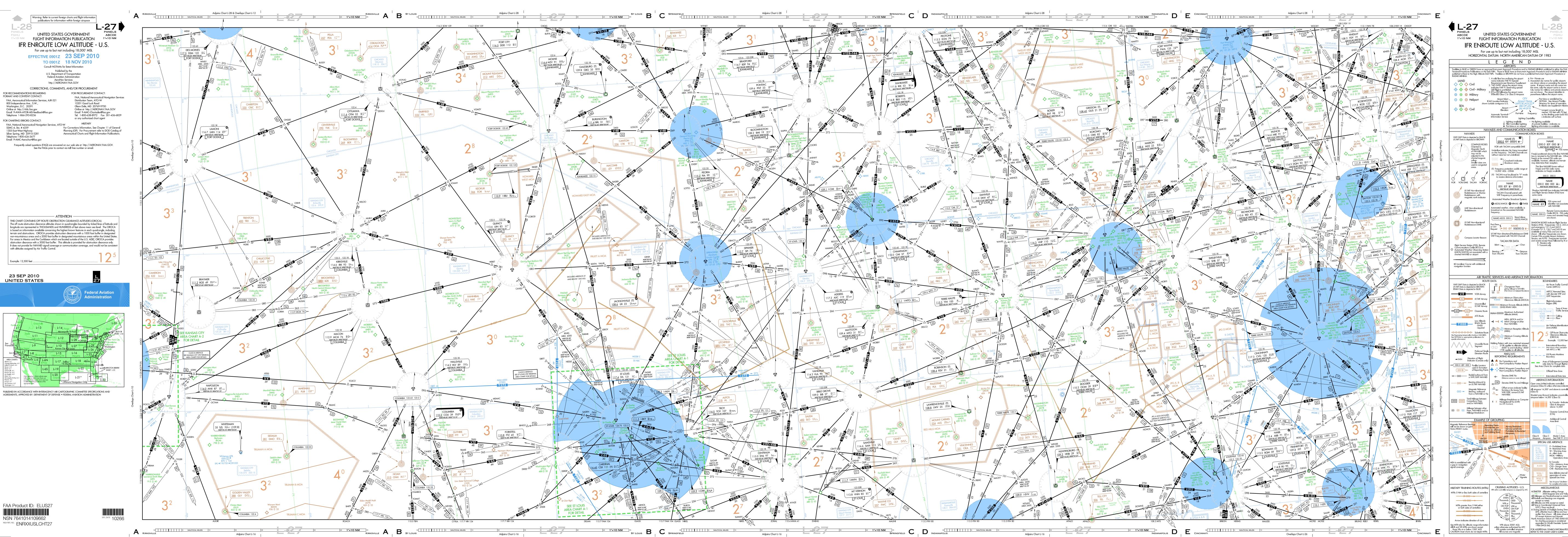
AIRPORT LOCATIONS



FGHIJ UNITED STATES GOVERNMENT

1"=7 NM FLIGHT INFORMATION PUBLICATION IFR ENROUTE LOW ALTITUDE - U.S. For use up to but not including 18,000' MSL HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983





ROCHESTER ROCHESTER TO DUBUQUE 10 NAUTICAL MILES 10 20 1"=10 NM 30 F G DUBUQUE 10 NAUTICAL MILES 10 NAUTICAL MILES 10	Overlaps Chart L-14 DUBUQUE G H CHICAGO 10 10 10 10 10 10 10 10	Overlaps Chart L-31 CHICAGO CHICAGO GRAND RAPIDS MILES 10 20 30 40 50 60 1"=10 NM 70 70 70 70 70 70 70 7	Overlaps Chart L-31 GRAND RAPIDS J DETROIT 0 NAUTICAL MILES 10 20 30 40 50 60 1"=10 NM 70 10 10 10 10 NAUTICAL MILES	Overlaps Chart L-31 DETROIT 10 20 30 40 50 60 1"=10 NM 70 J
HELEUME AND STAND FALEN WINDOM FALEN WINDO	HUBPO 110.6 STE 43	115.5 GRB 102 115.5 GRB 102 NICOT PRIME EYITI AOT AO	METHN LADIN 114.6 TVC 93 LADIN CARGA ASSISTER (MSL) (NUMBER ALTITUDE RANGE NUMBER IR-527 300 AGL TO 9000 VR-615 5 IR-614 500 AGL TO 8000 VR-619 5 IR-618 500 AGL TO 6000 VR-634 5 IR-618 500 AGL TO 6000 VR-634 5 IR-618 500 AGL TO 6000 VR-634 5 IR-618 500 AGL TO 6000 VR-634 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-634 5 IR-618 500 AGL TO 8000 VR-634 5 IR-618 500 AGL TO 8000 VR-634 5 IR-618 500 AGL TO 8000 VR-634 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-634 5 IR-618 500 AGL TO 8000 VR-634 5 IR-618 500 AGL TO 8000 VR-634 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-618 500 AGL TO 8000 VR-635 5 IR-
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RESTON Fillmore Co. 1277 © 40 ROCHESTER 112.0 RST 57 i:7: Next 46.97 W92258.82* PERINCETON FALAR EN DOURS ROCHESTER 112.0 RST 57 i:7: Next 46.97 W92258.82* PERINCETON FALAR EN DOURS ROCHESTER 112.0 RST 57 i:7: Next 46.97 W92258.82* PERINCETON FALAR EN DOURS ROCHESTER 112.0 RST 57 i:7: Next 46.97 W92258.82* ROCHESTER 112.0 RST 57 i:7: Next 57 i:7:	HILSBORD Jahus Senford Fld HIRUM Seedsburg Muni (C.3) (C.3	West Bend Muni (ETI) Dodge Co (DINU) SEWAWI Hartford Muni (EXE) SEWAWI Horford Muni (EXE) A SEWAWI Horford Muni (EXE) Dodge Co (DINU) SEWAWI Horford Muni (EXE) A SEWAWI Horford Muni (EXE) NAS 97.01 Was 11.1 F Waterlown Mini (EXE) Waltis 2500 WAUKESHA Waltis 12.2 FROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.90 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.99 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.90 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.90 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.90 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.90 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.90 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.90 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.90 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.90 (A) SEWAWI Levirence J Timmerman (RITE 1.9) A PROOT 1.90 (A) SEWAWI Levirence J Timmerman (RITE 1.9)	MOTAN 1223 1300	HEMIS File
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AIRPORT LOCATIONS ITARY TRAINING ROUTES

rque ZAB, Atlanta ZTL, Boston ZBW, Chicago ZAU, Cleveland ZOB, Denver ZDV anapolis ZID, Jacksonville ZJX, Kansas City ZKC, Los Angeles ZLA, Memphis ZME ew York ZNY, Oakland ZOA, Salt Lake City ZLC, Seattle ZSE, Washington ZDC

TED, R - RESTRICTED, A - ALERT, W - WARNING AREAS
A - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS
cated

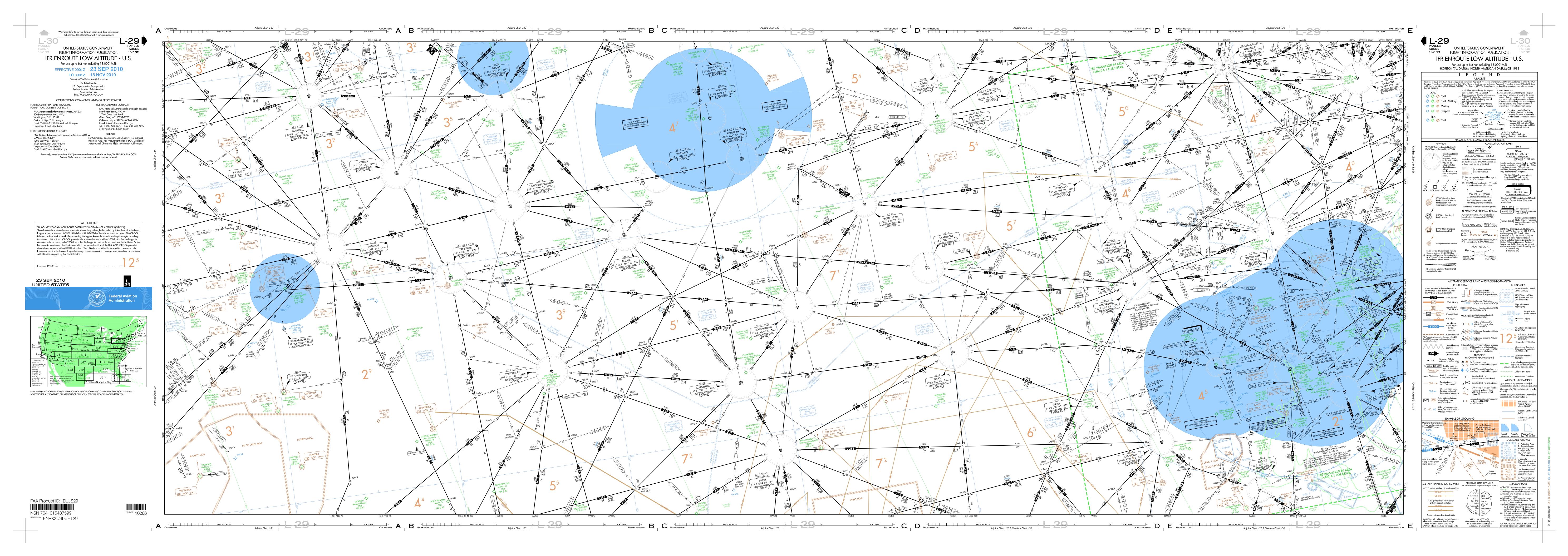
Cont - Continuous: 24 hrs a day, 7 days a week
† - During periods of Daylight Saving Time (DT)
effective hours will be one hour earlier than shown.
Where it means
where it means
ore sunrise

WOTAM - Use of this term in Restricted Areas indicates FAA And
DoD NOTAM systems. Use of this term in all other
Special Use areas indicates the DoD NOTAM system.

	EFFECTIVE		CONTROLLING AGENCY			
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	PANE
R-3401A	To 40000	5/1-9/30 10/1-4/30 Tue-Sat *1	Cont 1300-0400Z‡	VFR-IFR	ZID CNTR/FSS	D
R-3401B	1200 AGL To 14000	5/1-9/30 10/1-4/30 Tue-Sat *1	Cont 1300-0400Z‡	VFR-IFR	ZID CNTR/FSS	D
R-3403A	To 43000	Cont	1130-0500Z‡	VFR-IFR	ZID CNTR/FSS	E
R-3403B	1200 AGL To FL 180	Cont	1300-0400Z‡	VFR-IFR	ZID CNTR/FSS	E
R-3404	To 4100	5/1-11/1 *1	Days	VFR-IFR	TERRE HAUTE ATCT	D
R-3405	To 1600	By NOTAM	By NOTAM	VFR-IFR	TERRE HAUTE ATCT	D
R-3704A	To 10000	Cont *1	1100-0500Z‡	VFR-IFR	STAND I FORD CONTROL TOWER	Е
R-3704B	10000 To 20000	By NOTAM	Ву NОТАМ	VFR-IFR	STAND I FORD CONTROL TOWER	Е
R-5502A	To 5000	4/1-11/30 12/1-3/31 Tue-Thu *1	1300-2200Z‡ 1300-2200Z‡	VFR-IFR	ZOB CNTR/FSS	J
R-5502B	To 23000	Tue-Thu *1	1300-2200Z‡	VFR-IFR	ZOB CNTR/FSS	J
R-6901A	То 20000	5/1-9/30 Cont 10/1-4/30 Mon-Thu Cont *1	Cont 1400-0400Z‡ Fri 1400Z‡ To Sun 0400Z‡	VFR-IFR	ZMP CNTR/FSS	G
R-6901B	To 20000	By NOTAM	By NOTAM	VFR-IFR	ZMP CNTR/FSS	G
R-6903	To FL 450	Intermittent	By NOTAM	VFR-IFR	ZMP CNTR/FSS	Н
R-6904A	150 AGL To FL 230	Tue-Sat *1	1400-2200Z‡	VFR-IFR	ZMP CNTR/FSS	G
R-6904B	To FL 230	Tue-Sat *1	1400-2200Z‡	VFR-IFR	ZMP CNTR/FSS	G

		MILITARY C	PERATIONS	AREAS	
	EFFECT I VE		TIMES USED, UTC		CONTROLLING A
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CAL
UCKEYE	5000 *2	Mon-Fri Sat-Sun *1	1300-0300Z‡ 1300-2100Z‡	VFR-IFR	ZID CNTR/I
ALLS 1	500 AGL *2	Intermittent Tue-Sat *1	By NOTAM 1400-2200Z‡	VFR-IFR	ZMP CNTR/
ALLS 2	500 AGL *2	Intermittent Tue-Sat *1	By NOTAM 1400-2200Z‡	VFR-IFR	ZMP CNTR/
IERSEY	5000 *2	Tue-Fri *1	1400-1600Z‡ 1800-2000Z‡ 2300-0300Z‡	VFR-IFR	ZMP CNTR/
ILL TOP	10000 *2	Tue-Sat *1	1300-2400Z‡	VFR-IFR	ZAU CNTR/
OWARD EAST	9000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZKC CNTR/
OWARD WEST	10000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZKC CNTR/
PG A	500 AGL To But Not Including 6000 *3	Cont *1	1300-0400Z‡	VFR-IFR	ZID CNTR/I
PG B	6000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZID CNTR/I
PG C	6000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZID CNTR/I
PG D	500 AGL To But Not Including 4000	Cont *1	1300-0400Z‡	VFR-IFR	ZID CNTR/I
MINNOW	10000 *2	Intermittent By NOTAM	Norma ll y Days	VFR-IFR	ZMP CNTR/
RUITT A	500 AGL To 6000	Cont *1	1500-1800Z‡ 1900-2200Z‡	∨FR- I FR	ZKC CNTR/
RUITT B	500 AGL To 3000	Cont *1	1500-1800Z‡ 1900-2200Z‡	∨FR- I FR	ZKC CNTR/
ACER A	500 AGL To But Not Including 4000	5/1-9/30 10/1-4/30 Tue-Sat *1	1200-0300Z‡ 1300-0300Z‡	VFR-IFR	Z I D CNTR/I
ACER B	4000 To 8000	5/1-9/30 10/1-4/30 Tue-Sat *1	1200-0300Z‡ 1300-0300Z‡	VFR-IFR	Z I D CNTR/I

JPG B	6000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZID CNTR/FSS
JPG C	6000 *2	Cont *1	1300-0400Z‡	VFR-IFR	ZID CNTR/FSS
JPG D	500 AGL To But Not Including 4000	Cont *1	1300-0400Z‡	VFR-IFR	ZID CNTR/FSS
MINNOW	10000 *2	Intermittent By NOTAM	Norma ll y Days	VFR-IFR	ZMP CNTR/FSS
PRUITT A	500 AGL To 6000	Cont *1	1500-1800Z‡ 1900-2200Z‡	VFR-IFR	ZKC CNTR/FSS
PRUITT B	500 AGL To 3000	Cont *1	1500-1800Z‡ 1900-2200Z‡	VFR-IFR	ZKC CNTR/FSS
RACER A	500 AGL To But Not Including 4000	5/1-9/30 10/1-4/30 Tue-Sat *1	1200-0300Z‡ 1300-0300Z‡	VFR-IFR	ZID CNTR/FSS
RACER B	4000 To 8000	5/1-9/30 10/1-4/30 Tue-Sat *1	1200-0300Z‡ 1300-0300Z‡	VFR-IFR	Z I D CNTR/FSS
RACER C	500 AGL *2	5/1-9/30 10/1-4/30 Tue-Sat *1	1200-0300Z‡ 1300-0300Z‡	VFR-IFR	ZID CNTR/FSS
RACER D	14000 *2	5/1-9/30 10/1-4/30 Tue-Sat *1	1200-0300Z‡ 1300-0300Z‡	VFR-IFR	Z I D CNTR/FSS
RED HILLS	6000 *2	Cont	1300-0300Z‡	VFR-IFR	ZID CNTR/FSS
STEELHEAD	6000 *2	Mon-Sat *1	1200-2300Z‡	VFR-IFR	ZMP CNTR/FSS
TRUMAN A	8000 *2	Cont *1	1200-0600Z‡	VFR-IFR	ZKC CNTR/FSS
TRUMAN B	8000 *2	Cont *1	1200-0600Z‡	VFR-IFR	ZKC CNTR/FSS
TRUMAN C	500 AGL *2	Cont *1	1200-0600Z‡	VFR-IFR	ZKC CNTR/FSS
TWELVE MILE EAST	500 AGL To But Not Including 10000	Mon-Sat *1	1400Z‡-30 Min After Sunset	VFR-IFR	ZAU CNTR/FSS
TWELVE MILE WEST	500 AGL To But Not Including 6000	Mon-Sat *1	1400Z‡-30 Min After Sunset	VFR-IFR	ZAU CNTR/FSS
VOLK EAST	8000 *2	Intermittent Tue-Sat *1	By NOTAM 1400-2200Z‡	VFR-IFR	ZMP CNTR/FSS
VOLK SOUTH	500 AGL *2	Intermittent Tue-Sat *1	By NOTAM 1400-2200Z‡	VFR-IFR	ZMP CNTR/FSS
VOLK WEST	100 AGL *2	Intermittent Tue-Sat *1	By NOTAM 1400-2200Z‡	VFR-IFR	ZMP CNTR/FSS
*1 Oder Time D	NOTAM #2.5-	. E [Cl			



PORT HURON F Overlaps Chart L-31 & L-32 | SCRANTON FOR THURON F Overlaps Chart L-31 & L-32 | SCRANTON FOR THURON F Overlaps Chart L-31 & L-32 | SCRANTON FOR THURON F Overlaps Chart L-31 & L-32 | SCRANTON FOR THURON F Overlaps Chart L-31 & L-32 | SCRANTON FOR THURON F Overlaps Chart L-31 & L-32 | SCRANTON FOR THURON F Overlaps Chart L-31 & L-32 | SCRANTON FOR THURON F Overlaps Chart L-31 & L-32 | SCRANTON FOR THURON F OVErlaps Chart L-31 & L-32 | SCRANTON FOR THURON F OVErlaps Chart L-31 & L-32 | SCRANTON FOR THURON F OVErlaps Chart L-31 & L-32 | SCRANTON FOR THURON F OVErlaps Chart L-31 & L-32 | SCRANTON FOR THURON F OVErlaps Chart L-31 & L-32 | SCRANTON FOR THURON F OVErlaps Chart L-31 & L-32 | SCRANTON FOR THURON F OVErlaps Chart L-31 & L-32 | SCRANTON FOR THURON F OVErlaps Chart L-31 & L-32 | SCRANTON FOR THURON F OVErlaps Chart L-31 & L-32 | SCRANTON FOR THURON F OVErlaps Chart L-31 & L-32 | SCRANTON FOR THURON F OVErlaps Chart L-31 & L-32 | SCRANTON FOR THURON F OVErlaps Chart L-31 & L-32 | SCRANTON FOR THURON F OVErlaps Chart L-31 & L-32 | SCRANTON F OVErlaps Char MILITARY TRAINING ROUTES
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 V116-126-170 F PORT HURON FORT HURON F Adjoins Chart L-29 NoungSTOWN Adjoins Chart L-29 NoungSTOWN Adjoins Chart L-29 NoungSTOWN Adjoins Chart L-29 NoungSTOWN Adjoins Chart L-29 NoungSTOWN Adjoins Chart L-29 NoungSTOWN Nou

Warning: Refer to current foreign charts and flight information publications for information within foreign airspace UNITED STATES GOVERNMENT ABCDE
FLIGHT INFORMATION PUBLICATION 1"=12 NM IFR ENROUTE LOW ALTITUDE - U.S. For use up to but not including 18,000' MSL EFFECTIVE 0901Z 23 SEP 2010 Consult NOTAMs for latest Information Published by the
U.S. Department of Transportation
Federal Aviation Administration
AeroNav Services
http://AERONAV.FAA.GOV

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT FOR PROCUREMENT CONTACT:

FOR RECOMMENDATIONS REGARDING FORMAT AND CONTENT CONTACT: 10201 Good Luck Road
Glenn Dale, MD 20769-9700
Online at http://AERONAV.FAA.GOV
Email 9-AMC-Chartsales@faa.gov
Tel. 1-800-638-8972 Fax 301-436-6829
or any authorized chart agent Washington, D.C. 20591 Online at http://nfdc.faa.gov Email 9-AWA-ATOR-AIS-feedback@faa.gov Telephone 1-866-295-8236

FOR CHARTING ERRORS CONTACT: FOR CHARTING ERRORS CONTACT:

FAA, National Aeronautical Navigation Services, ATO-W

SSMC-4, Sta. # 4259

1305 East-West Highway

Silver Spring, MD 20910-3281

Telephone 1-800-626-3677

Email 9-AMC-Aerochart@faa.gov

MILITARY

For Corrections Information, See Ch
Planning (GP). For Procurement rel
Aeronautical Charts and Flight Info For Corrections Information, See Chapter 11 of General Planning (GP). For Procurement refer to DOD Catalog of Aeronautical Charts and Flight Information Publications.

Frequently asked questions (FAQ) are answered on our web site at http://AERONAV.FAA.GOV.

See the FAQs prior to contact via toll free number or email.

THIS CHART CONTAINS OFF ROUTE OBSTRUCTION CLEARANCE ALTITUDES (OROCA). The off route obstruction clearance altitudes shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The OROCA is based on information available concerning the highest known features in each quadrangle, including terrain and obstructions. OROCA provides obstruction clearance with a 1000 foot buffer in designated

retrain and obstructions. OROLA provides obstruction clearance with a 1000 foot buffer in designated non-mountainous areas and a 2000 foot buffer in designated mountainous areas within the United States. For areas in Mexico and the Caribbean which are located outside of the U.S. ADIZ, OROCA provides obstruction clearance with a 3000 foot buffer. This altitude is provided for obstruction clearance only. It does not provide for NAVAID signal coverage or communication coverage, and would not be consistent with altitudes assigned by Air Traffic Control.

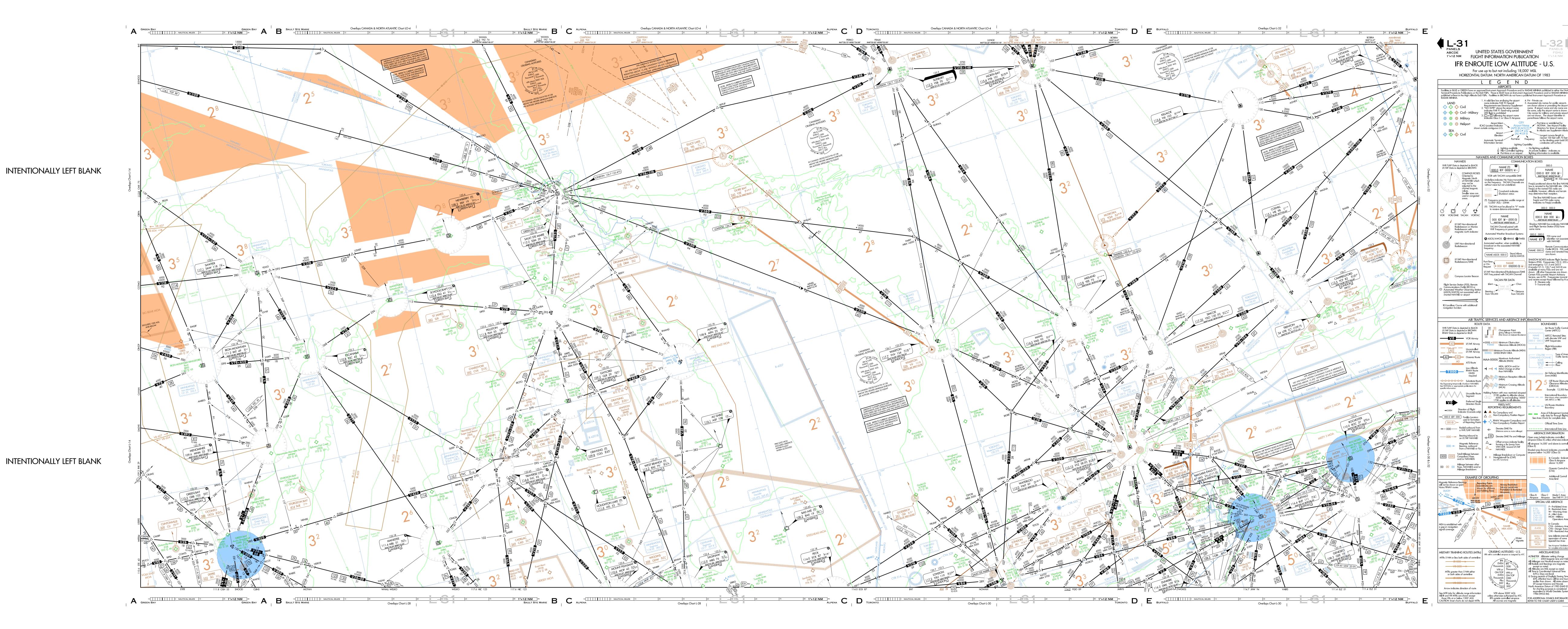
23 SEP 2010 **UNITED STATES**

PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS, APPROVED BY: DEPARTMENT OF DEFENSE • FEDERAL AVIATION ADMINISTRATION

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NGA REF. NO. ENRXXUSLCHT31

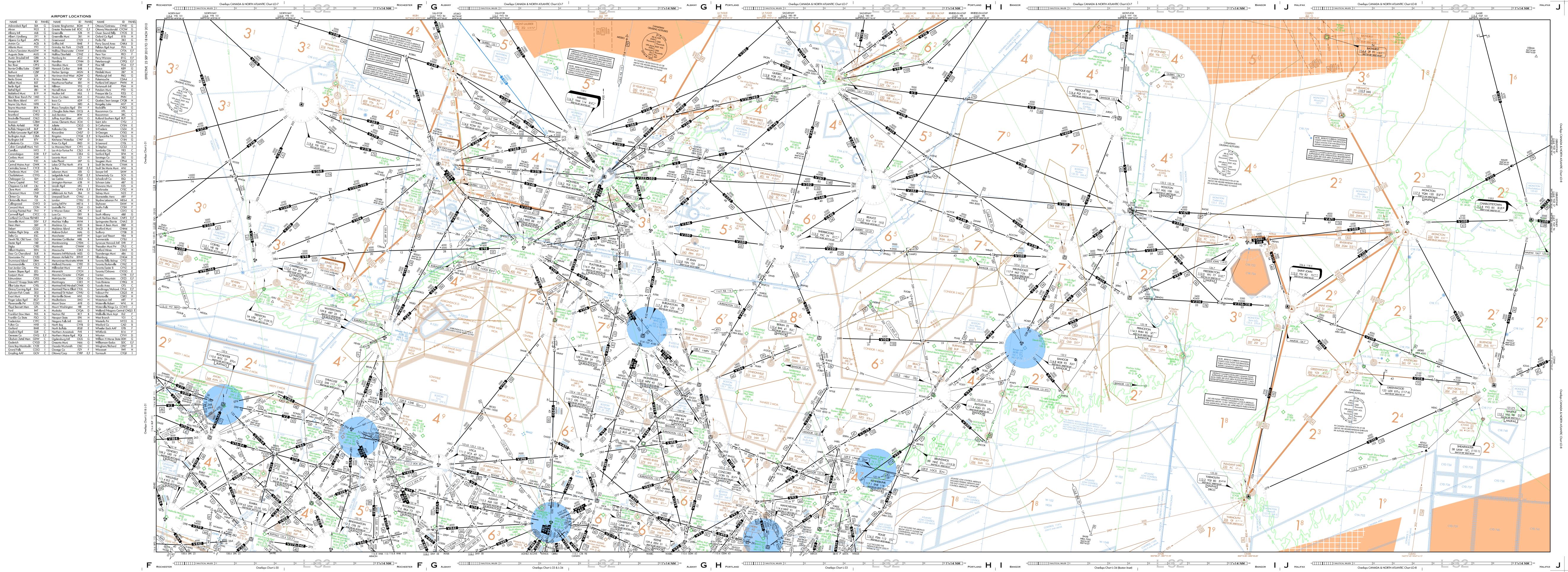


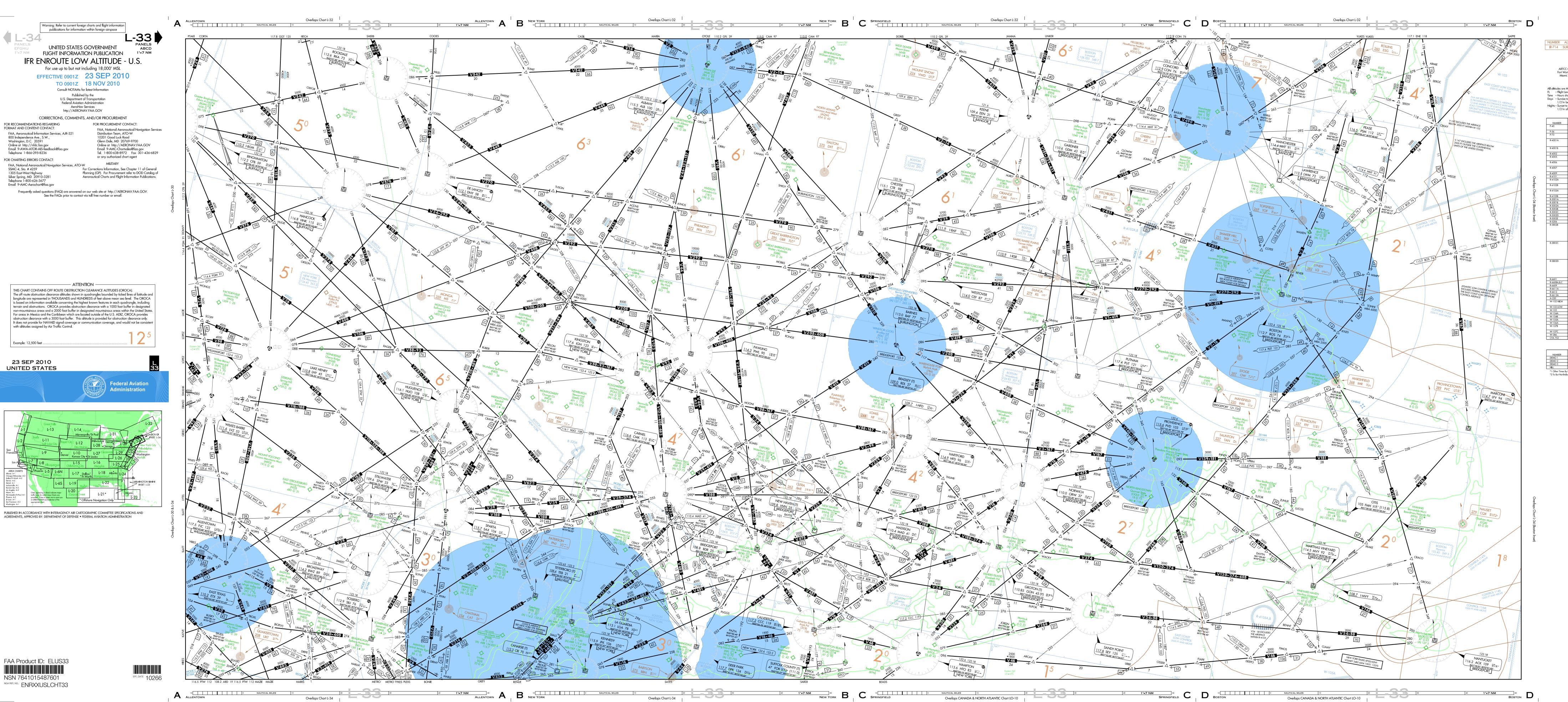


MILITARY TRAINING ROUTES

| NUMBER | AITHUDE | TIMES USED, UTC | CONTROLLING AGENCY | ALTHUDE | DAYS | HOURS | WEATHER | A/G CALL | PANEL | ADRONDACK A 6000 *2 | Mon-fri 5/1-8/31 | 1300-22002f *1 | VFR-IFR | ZBW CNTR/FSS | G | Mon-fri 9/1-4/30 | 1300-03002f *1 | VFR-IFR | ZBW CNTR/FSS | G | Mon-fri 9/1-4/30 | 1300-03002f *1 | VFR-IFR | ZBW CNTR/FSS | G | Mon-fri 9/1-4/30 | 1300-03002f *1 | VFR-IFR | ZBW CNTR/FSS | G | Mon-fri 9/1-4/30 | 1300-03002f *1 | VFR-IFR | ZBW CNTR/FSS | G | Mon-fri 9/1-4/30 | 1300-03002f *1 | VFR-IFR | ZBW CNTR/FSS | G | Mon-fri 9/1-4/30 | 1300-03002f *1 | VFR-IFR | ZBW CNTR/FSS | G | Mon-fri 9/1-4/30 | 1300-03002f *1 | VFR-IFR | ZBW CNTR/FSS | F,G | Mon-fri 9/1-4/30 | 1300-03002f *1 | VFR-IFR | ZBW CNTR/FSS | F,G | Mon-fri 9/1-4/30 | 1300-03002f *1 | VFR-IFR | ZBW CNTR/FSS | F,G | Mon-fri 9/1-4/30 | 1300-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | ZBW CNTR/FSS | A | Control 1000-03002f *1 | VFR-IFR | CONTROL 1000-03002f *1 | VFR-IFR | CONTROL 1000-03002f *1 | VFR-IFR | CONTROL 1000-03002f *1 | VFR-IFR | CONTROL 1000-03002f *1 | VFR-IFR | CONTROL 1000-03002f *1 | VFR-IFR | CONTROL 2300-0300Z‡

1300-2200Z‡ *1 VFR-IFR ZBW CNTR/FSS F,G





MILITARY TRAINING ROUTES
 NUMBER
 ALTITUDE RANGE
 NUMBER
 ALTITUDE RANGE
 NUMBER
 ALTITUDE RANGE

 IR-714
 SURFACE TO 6000
 IR-720
 5000 TO 8000
 IR-760
 SURFACE TO 6000

P - PROHIBITED, R - RESTRICTED, A - ALERT, W - WARNING AREAS CANADA: CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS

All altitudes are MSL unless otherwise indicated

Cont - Continuous: 24 hrs a day, 7 days a week

FLIGHT INFORMATION PUBLICATION IFR ENROUTE LOW ALTITUDE - U.S. For use up to but not including 18,000' MSL HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

Automated Weather Broadcast Systems:

ASOS/AWOS THIWAS TWEB

OOO.0 000.0

FSS name an identifier not with NAVAIL

with NAVAIL

Direction of Flight Indicator (Canada only)

O00.0 IDT 000 Facility Locators used in formation

Direction of Flight Indicator (Canada only)

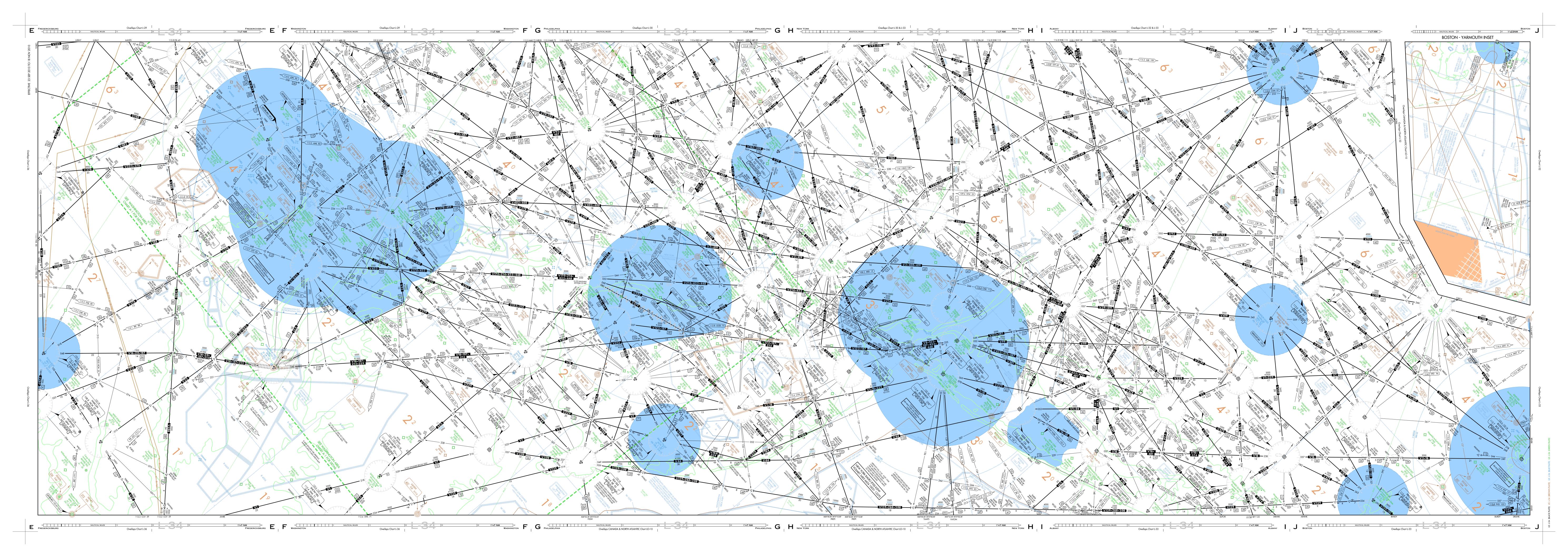
Fix Compulsory and Non-Compulsory Position Report Only data for through flight See Area Charts for complete data used in formation of Reporting Points RNAV Waypoint Compulsory and Non-Compulsory Position Report

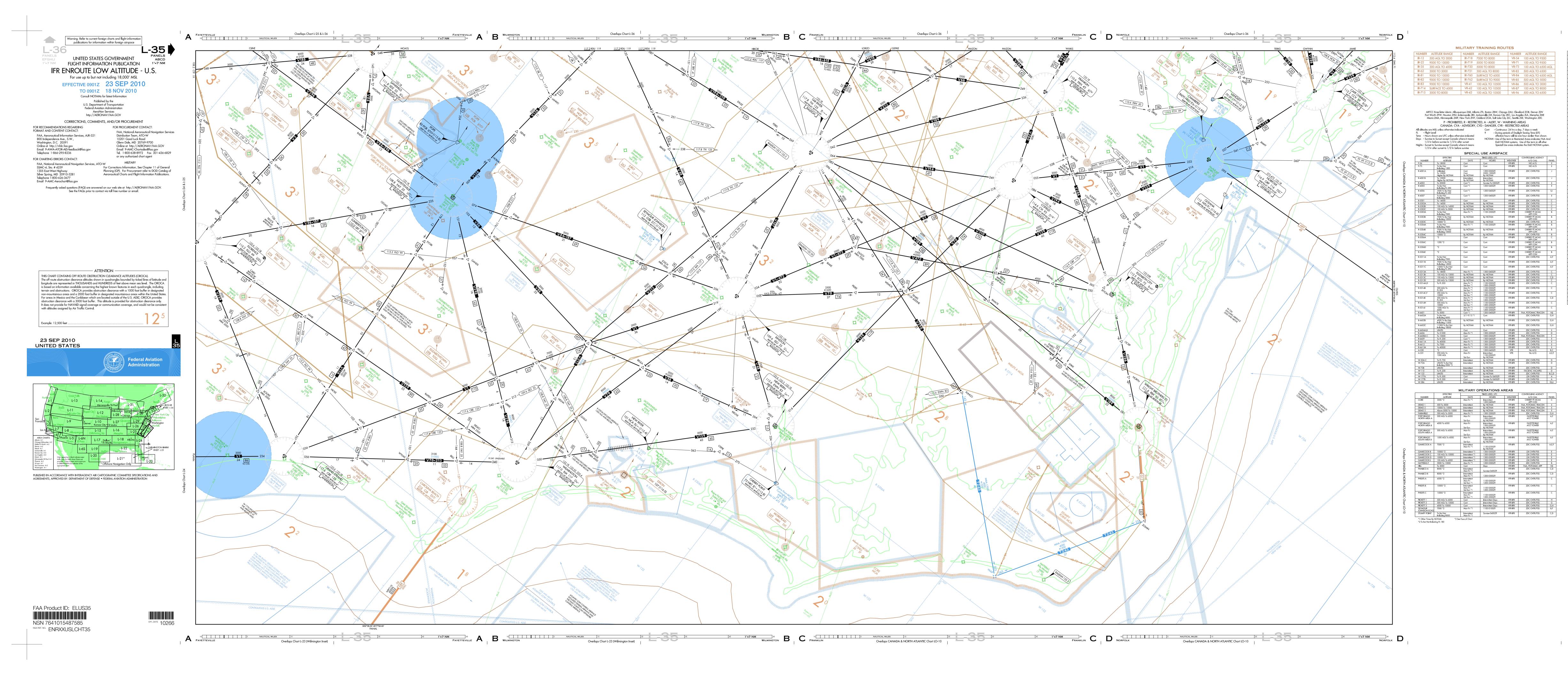
Official Time Zone

AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

BOUNDARIES

BOUNDARIES





ILS Localizer Course with additional navigation function

FLIGHT INFORMATION PUBLICATION IFR ENROUTE LOW ALTITUDE - U.S.

For use up to but not including 18,000' MSL HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

Automated Weather Broadcast Systems:

ASOS/AWOS THIWAS TWEB

OOO.0 000.0

NAME IDT

FSS name and identifier not a with NAVAID

AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION
BOUNDARIES Direction of Flight Indicator (Canada only)

O00.0 IDT 000 Facility Locators used in formation

Fix Compulsory and Non-Compulsory Position Report Only data for through fligh See Area Charts for complete data used in formation of Reporting Points RNAV Waypoint Compulsory and Non-Compulsory Position Report

Official Time Zone Bearing inbound to an LF/MF NAVAID

Denotes DME Fix and Mileage of the property of the propert

Arrow indicates direction of route

